

Jugoslavenska Narodna Armija (JNA) – Yugoslav People's Army

OOB 1990 / 2nd Edition



HISTORICAL BACKGROUND: During the late 80's the Yugoslav armed forces underwent a process of fundamental transformation. The HQs of six Armies and one separate Corps (with operational areas according more or less to the borders of the republics) and most of the Mechanized, Motorized and Infantry Divisions were disbanded and replaced by three Military District Commands and a new Corps-Brigade-organization modelled after much more realistic operational needs and real territorial divisions of the country (see Annex VII). The participation of the Republics Territorial Defense („Teritorijalna Obrana“, TO) in the defense system was marginalized (see Annex IV). The last organizational framework of JNA before the breakup of Yugoslavia ironically got the codename "Jedinstvo" - unity. It was started in 1987, the first phase being finalized in 1990. A second phase (till 1995) was planned.

READINESS CATEGORIES: Listed if known, A means 60 to 100 % of wartime strength (ready to act within 3 hours), B means 15 to 60 % (ready within 12 hours) and R means up to 15 % (usually only HQ active, ready within 36 to 72 hours).

PERSONNEL STRENGTH: 236.918 planned strength (plus 38.423 civilian employees), wartime: 1.058.378 (numbers include Air Force and Navy, not the Republics Territorial Defense). In fact the Land Forces (KoV) had around 138.0000 to 140.000 men, Air Force (RV i PVO) 32.000 and Navy (RM) 10.000 (including 2.300 Coastal Artillery and 900 Marines), that gives a total of 180.000 to 182.000 active personnel (slightly more than 100.000 conscripts).

NOTE 1: This OOB contains several suggestions and in some cases is based on conclusions as there are many data still classified, at least in Serbia. If you have additional information, can correct any error or simply have questions, please post it to the author at www.tank-net.org in the Tanknet Forums (Military History section, topic: „Jugoslavenska Narodna Armija“).

NOTE 2: Places are named as of 1990. Titograd for example later got back its historical name Podgorica, Kardeljevo now is Ploce again, Ivangrad was re-named Berane, Titovo Uzice now is Uzice only, Titovska Mitrovica became Kosovska Mitrovica. For Belgrade the serbocroatian name Beograd is used.

NOTE 3: Designation of units: „Guards“ = not only honorary title but elite formations, „Proletarian“ = honorary title, „Partisan“ = more or like what the name says, light infantry formations in fact, Formations of battalion size with artillery and air defense were called „Divizion“, here translated as „Group“. The term „Odjelenje“ (various units, usually in between of Battalion and Company size) here is translated as „Detachment“.

Abbreviations: Bn = Battalion, Co = Company, Plt = Platoon, Recce = Reconnaissance

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Dragoner

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Part 1: Kopnene Vojske (KoV) - Land Forces

NOTE: Including MoD and - according to territorial organization - Naval Forces

Ministry of People's Defense

("Savezni Sekretariat za Narodnu Obranu", SSNO), Beograd

Supreme Command Headquarters, Beograd-Knezevac (*underground facility for General Staff*)

Alternate Supreme Command Headquarters, Crna Rijeka (*underground facility, near Han Pijesak*)

Nuclear War Command Headquarters (*"Atomska Ratna Komanda", ARK*), Konjic (*underground facility known as „Objekat D-O“ (object D-O), could host some 350 people and withstand a direct nuclear hit of 25 to 30 ktn*)

NOTE: The JNA maintained numerous underground command facilities (for military and political leadership, Military District HQs etc). Besides the facilities listed above, objects could be identified at Beograd-Topcider („Object Karas“), Beograd-Marsalat (operated by Guards Motorized Brigade), Zagreb-Tkalciceva, Gotenica (Slovenia), Gornja Brela (Biokovo Mtn), Gorazde and Bukulja Mtn (near Arandjelovac). All residences of former head of state Marshal Tito had bunkers too, e.g. at Bled, Brdo kod Kranja, Bugojno, Karadjordjevo, Brijun Island and Beograd of course. The Navy (Maritime Military District) operated an underground facility at Zrnovnica, the Air Force had it's underground command center at Beograd-Strazevica and the Main Operations Center at Jahorina Mtn. The giant underground air base at Bihac-Zeljava could have been used as a higher command post too. There was probably a total of 37 JNA underground facilities (including five underground air bases, see Part 2): three in Slovenia, five in Croatia, seven in Serbia, three in Montenegro, two in Macedonia and nearly half of them – 17 – in Bosnia.

Counter-Intelligence Service („Kontra-Obavestajna Sluzba“, KOS), Beograd

Guards Motorized Brigade, Beograd-Banjica – A

- one Tank Bn
 - two Motorized Bn
 - one Security Guard Bn
 - two Military Police Bn (one of them including an anti-terrorist company)
 - one Light Air Defense Artillery Group
 - one Logistics Bn
- personnel strength: some 4.000 men

63. Airborne Brigade, Nis – A (formally part of the Air Force, possibly one active duty Bn only)

Special Forces Group of the General Staff, Pancevo

? Engineer Regiment

316. Light Air Defense Artillery Regiment, Beograd-Zvezdara

? Electronic Intelligence and ECM Center ("EI i PED"), Split-Divulje – A

? Electronic Intelligence and ECM Center, Velika Buna – A

? ECM Bn, Titovo Uzice – A

? Electronic Intelligence Bn, Prokuplje – A

? Electronic Intelligence Bn, Skopje – A

? Electronic Intelligence Bn, Batajnica – A

? Electronic Intelligence Bn, Titograd – A

317. Signal Regiment, Bijeljina – A

398. Signal Regiment, Titovo Uzice – A

? Signal Regiment, Beograd-Topcider – A

? Education Center

Technical Supply Base of the General Staff (former 608. Logistics Base, got that designation later again)

Training Centers (listed separately, see Annex I)

NOTE: Additionally there were some separate units of Bn and Group size still not identified.

A UN report of 1994 claims that two Separate Partisan Brigades were assigned to SSNO, namely

***63. Partisan Brigade** at Beograd-Zvezdara and **81. Partisan Brigade** at Mala Mostanica or Velika Mostanica (both in the vicinity of Beograd). No other evidence.*

1. Military District

*("1. Vojna Oblast", 1. VO), HQ at Beograd-Topcider
The 1. VO had a peacetime strength of 40.000 men*

4. Motorized Divison (disbanded in 1990)

22. Infantry Division (disbanded in 1990)

389. Missile Artillery Brigade, Banja Luka – B (*Luna-M, NATO-Code Frog-7*)

1. Mixed Anti-Tank Brigade, Beograd – B

16. Mixed Anti-Tank Brigade, Backa Topola – B

152. Mixed Artillery Brigade, Cuprija – B

240. Self-propelled Medium Air Defense Missile Regiment, Sarajevo-Lukavica – A
(*Kub-M, NATO-Code SA-6 Gainful*)

310. Self-propelled Medium Air Defense Missile Regiment, Kragujevac-Sumarice – A (*Kub-M*)

46. Protection Regiment, Beograd-Topcider (*established about 1990, security unit for 1. VO HQ*)

? . Special Forces Detachment (*possibly was organic to the Protection Regiment*)

? . Sabotage and Recce Bn, Vrdnik

? . Engineer Regiment

351. Signal Regiment, Sarajevo-Lukavica – A

? . Military Police Bn

? . NBC Defense Regiment – A

? . Replacement Regiment

River Flotilla, HQ at Novi Sad
including

93. River Center (*„93. Recni Centar“*), Novi Sad (*special forces/divers unit*)

*NOTE: The River Flotilla operated some patrol boats, amphibious craft and minelayers
mainly on Danube river. Some boats were stationed with border units at Ohrid lake in 3. VO.*

Belgrade City Defense Command (*„Komanda Obrana Grada Beograd“, KOGB*)

151. Motorized Brigade, Beograd (*possibly still was Infantry Brigade*)

505. Motorized Brigade, Beograd

22. Mixed Anti Tank Regiment, Beograd

22. Light Air Defense Artillery Regiment, Beograd

55. Military Police Bn, Beograd

1. Proletarian Guards Mechanized Division, Beograd – B

- 1. Proletarian Guards Mechanized Brigade, Beograd-Vozdovac – B
- 2. Proletarian Guards Mechanized Brigade, Valjevo – B
- 3. Proletarian Guards Mechanized Brigade, Pozarevac – B
- 1. Proletarian Guards Mixed Artillery Regiment, Kragujevac
- 1. Proletarian Guards Mixed Anti-Tank Regiment
- 1. Proletarian Guards Light Mixed Air Defense Regiment
- 1. Proletarian Guards Engineer Bn, Beograd-Topcider
- 1. Proletarian Guards Signal Bn

Division troops probably included also:

- one Recce Co
- one Military Police Co
- one NBC Defense Co
- one Logistics Bn

4. Corps, Sarajevo

- 10. Motorized Brigade, Mostar – B (*upgraded to A in 1990*)
- 49. Motorized Brigade, Sarajevo-Lukavica – A
- 120. Light Infantry Brigade, Sarajevo
- 216. Mountain Brigade, Han Pijesak
- 4. Mixed Artillery Regiment
- 4. Mixed Anti-Tank Regiment
- ? Anti-Tank Artillery Group
- 4. Light Air Defense Artillery Regiment
- 4. Recce Co
- ? Engineer Regiment
- 431. Bridge Bn, Capljina (*questionable if still existed at that time*)
- ? NBC Defense Co
- ? Signal Bn
- ? Military Police Bn, Sarajevo
- 4. Medical Bn
- 4. Transportation Bn
- ? Replacement Bn – R
- 724. Logistics Base, Mostar
- 744. Logistics Base, Sarajevo

5. Corps, Banja Luka

- 329. Armored Brigade, Banja Luka (*with units at Derventa*) – B (*upgraded to A in 1990*)
- 16. Proletarian Motorized Brigade, Banja Luka
- 327. Motorized Brigade, Derventa (*with one Bn at Bosanski Brod*)
- 343. Motorized Brigade, Prijedor
- 10. Partisan Division – R
- 13. Partisan Division – R
- 40. Partisan Division, Slavenska Pozega - R
- 5. Mixed Artillery Regiment, Banja Luka
- ? Mixed Anti-Tank Regiment, Banja Luka
- ? Anti-Tank Artillery Group
- 5. Light Air Defense Artillery Regiment, Banja Luka
- ? Recce Co
- 293. Engineer Regiment, Banja Luka
- 188. Bridge Bn
- ? NBC Defense Co

? Signal Bn, Banja Luka
5. Military Police Bn, Banja Luka
?. Medical Bn
?. Transportation Bn
?. Replacement Bn – R
993. Logistics Base, Banja Luka-Krcmarice
The 5. Corps had a peacetime strength of 4.500 men

12. Corps, Novi Sad

18. Proletarian Motorized Brigade, Novi Sad
36. Mechanized Brigade, Subotica (*with units at Sombor, Backa Topola and Palic*) – A
51. Mechanized Brigade, Pancevo (*with units at Vrsac, Kikinda and Zrenjanin*) – A
453. Mechanized Brigade, Sremska Mitrovica (*with Tank Bn at Ruma*) – B or A
506. Infantry Brigade, Zrenjanin
16. Mixed Artillery Regiment, Ruma
?. Mixed Anti-Tank Regiment
?. Anti-Tank Artillery Group
12. Light Air Defense Artillery Regiment, Novi Sad
?. Recce Co
497. Engineer Regiment
?. NBC Defense Co, Novi Sad
?. Signal Bn
12. Military Police Bn, Novi Sad
?. Medical Bn
?. Transportation Bn
?. Replacement Bn – R
11. Border Bn, Vrsac (*and Plandiste*) – A
?. Border Bn, Kikinda – A
793. Logistics Base, Petrovaradin

17. Corps, Tuzla

12. Proletarian Mechanized Brigade, Osijek (*with Tank Bn at Nasice and Engineer Bn at Vukovar*) – A
92. Motorized Brigade, Tuzla
395. Motorized Brigade, Brcko (*with Anti-Tank Artillery Group at Djakovo*)
11. Partisan Division, Doboj – R
38. Partisan Division, Bijeljina – R
12. Mixed Artillery Regiment, Vinkovci
158. Mixed Anti-Tank Brigade, Djakovo – B
454. Mixed Anti-Tank Regiment, Derventa
17. Light Air Defense Artillery Regiment, Vinkovci
17. Recce Co, Tuzla
?. Engineer Regiment, Tuzla
670. Bridge Bn, Slavonski Brod
?. NBC Defense Co
?. Signal Bn, Tuzla
?. Military Police Bn
?. Medical Bn
17. Transportation Bn, Tuzla
?. Replacement Bn – R
51. Border Bn, Beli Manastir – A
904. Logistics Base, Sevarlije-Potocani (*near Doboj*)

24. Corps, Kragujevac

- 80. Motorized Brigade, Kragujevac
- 130. Motorized Brigade, Smederevska Palanka
- 7. Infantry Brigade, Krusevac
- 9. Infantry Brigade, Zajecar (*and Knjazevac*)
- 28. Infantry Regiment, Paracin
- 24. Mixed Artillery Regiment, Smederevska Palanka
- 24. Mixed Anti-Tank Regiment
- ? Anti-Tank Artillery Group
- ? Light Air Defense Artillery Regiment
- ? Recce Co
- ? Engineer Regiment
- ? Bridge Bn, Obrenovac
- ? NBC Defense Co
- ? Signal Bn
- ? Military Police Bn
- ? Medical Bn
- ? Transportation Bn
- ? Replacement Bn – R
- 25. Border Bn, Zajecar (*and Knjazevac*) – A
- 524. Logistics Base, Kragujevac

37. Corps, Titovo Uzice

- 252. Armored Brigade, Kraljevo – B (*possibly was under direct command of 1. VO*)
- 169. Motorized Brigade, Loznica
- 544. Motorized Brigade, Sabac
- 32. Light Infantry Brigade, Valjevo – R
- 37. Infantry Brigade, Raska (*possibly was Motorized Brigade already*)
- 168. Infantry Brigade, Novi Pazar
- 473. Infantry Brigade, Gornji Milanovac
- 19. Mountain Brigade, Uzicka Pozega
- 46. Partisan Division, Cacak – R
- 51. Partisan Division, Nova Varos – R
- 208. Mixed Artillery Regiment, Valjevo
- 320. Mixed Artillery Regiment
- ? Mixed Anti-Tank Regiment
- ? Anti-Tank Artillery Group
- ? Light Air Defense Artillery Regiment
- ? Recce Co
- 579. Engineer Regiment, Kraljevo
- 402. Bridge Bn, Sabac
- ? NBC Defense Co
- 228. Signal Bn, Gornji Milanovac
- 37. Military Police Bn
- 37. Medical Bn
- 37. Transportation Co
- ? Replacement Bn – R

3. Military District

(„3. Vojna Oblast“, 3. VO), HQ at Skopje
The 3. VO had a peacetime strength of 41.000

37. Motorized Division (disbanded in 1990)

102. Mixed Anti-Tank Brigade, Gnjilane – B

203. Mixed Artillery Brigade, Nis – B

150. Mixed Artillery Brigade, Vranje – B

326. Mixed Artillery Brigade, Danilovgrad – B

230. Self-propelled Medium Air Defense Missile Regiment, Nis – A (*Kub-M*)

311. Self-propelled Medium Air Defense Missile Regiment, Pristina-Slatina – A (*Kub-M*)

95. Protection Regiment (*established about 1990*)

? **Special Forces Detachment**, Skopje (*possibly was organic to the Protection Regiment*)

? **Sabotage and Recce Bn**, Pirot

? **Engineer Regiment**, Skopje

319. Signal Regiment, Skopje – A

3. Military Police Bn, Skopje

? **NBC Defense Regiment** – A

? **Replacement Regiment** – R

255. Education Center, Kursumlija

2. Corps, Titograd

5. Proletarian Motorized Brigade, Titograd

57. Mountain Brigade, Pljevlja – R

179. Mountain Brigade, Niksic

3. Partizan Division – R

? **Mixed Artillery Regiment**

176. **Mixed Anti-Tank Regiment**, Titograd

? **Light Air Defense Artillery Regiment**

? **Recce Co**

56. **Engineer Regiment**

? **NBC Defense Co**

? **Signal Bn**, Titograd

? **Military Police Bn**, Titograd

? **Medical Bn**

? **Transportation Co**, Titograd

? **Replacement Bn** – R

72. **Border Bn** – A

74. **Border Bn**, Andrijevica (*and Plav*) – A

650. **Logistics Base**

21. Corps, Nis

- 211. Armored Brigade, Nis – B (*possibly was under direct command of 3. VO*)
- 135. Infantry Brigade, Surdulica
- 354. Infantry Brigade, Kursumlija
- 175. Infantry Brigade, Leskovac
- 4. Proletarian Infantry Regiment, Pirot
- ? Mixed Artillery Regiment
- 21. Mixed Anti-Tank Regiment, Leskovac
- ? Anti-Tank Artillery Group
- ? Light Air Defense Artillery Regiment
- ? Recce Co
- ? Engineer Regiment
- ? NBC Defense Co, Nis
- ? Signal Bn, Nis
- 287. Military Police Bn, Nis
- ? Medical Bn
- ? Transportation Bn, Nis
- ? Replacement Bn – R
- 23. Border Bn, Pirot (*and Dimitrovgrad*) – A
- 525. Logistics Base

41. Corps, Bitola

- 243. (Proletarian) Armored Brigade, Skopje – B (*possibly was under direct command of 3. VO*)
- 84. Motorized Brigade, Bitola
- 87. Motorized Brigade, Tetovo – A
- ? Mixed Artillery Regiment
- ? Mixed Anti-Tank Regiment
- ? Anti-Tank Artillery Group
- ? Light Air Defense Artillery Regiment
- ? Recce Co
- ? Engineer Regiment
- ? NBC Defense Co
- ? Signal Bn
- ? Military Police Bn
- ? Medical Bn
- ? Transportation Bn
- ? Replacement Bn – R
- ? Border Bn, Ohrid – A
- ? Border Bn, Bitola – A
- ? Border Sector, Debar – A

42. Corps, Kumanovo

- 212. Motorized Brigade, Titov Veles
- 592. Motorized Brigade, Kumanovo
- 39. Infantry Brigade, Stip
- 156. Infantry Brigade, Strumica
- 89. Infantry Regiment, Kumanovo (*possibly was Brigade, not Regiment*)
- ? Mixed Artillery Regiment
- 42. Mixed Anti-Tank Regiment
- ? Anti-Tank Artillery Group
- ? Light Air Defense Artillery Regiment
- ? Recce Co

- ? Engineer Regiment
- ? NBC Defense Co
- ? Signal Bn
- ? Military Police Bn
- ? Medical Bn
- ? Transportation Bn
- ? Replacement Bn – R
- 59. Border Bn, Strumica – A

52. Corps, Pristina

- 15. Proletarian Mechanized Brigade, Pristina – A
- 125. Motorized Brigade, Titova Mitrovica (*with units at Pec*)
- 549. Motorized Brigade, Prizren (*with units at Dakovica*)
- 52. Mixed Artillery Regiment, Gnjilane
- 52. Mixed Anti-Tank Regiment, Urosevac
- ? Anti-Tank Artillery Group
- 52. Light Air Defense Artillery Regiment, Dakovica
- 52. Recce Co
- 52. Engineer Regiment, Krusevac
- ? NBC Defense Co
- ? Signal Bn, Pristina
- 52. Military Police Bn, Pristina
- 52. Medical Bn
- ? Transportation Bn
- ? Replacement Bn – R
- 53. Border Bn, Dakovica – A
- 55. Border Bn, Prizren – A

5. Military District

(„5. Vojna Oblast“, 5. VO), HQ at Zagreb

The 5. VO had a peacetime strength of in fact 35.000 men (planned: 40.000)

6. Proletarian Infantry Division, Karlovac (disbanded in 1990)

202. Mixed Artillery Brigade, Slovenska Bistrica – B

580. Mixed Artillery Brigade, Karlovac – B (upgraded to A in 1990)

288. Mixed Anti-Tank Brigade, Virovitica (with units at Krizevci) – B (upgraded to A in 1990)

149. Self-propelled Medium Air Defense Missile Regiment, Zagreb-Pleso (Kub-M) – A

65. Protection Regiment, Dugo Selo (established about 1990)

10. Special Forces Detachment, Dugo Selo (probably was organic to the Protection Regiment)

? . Sabotage and Recce Bn

258. Engineer Regiment

? . Military Police Bn

? . NBC Defense Regiment, Zagreb-Borongaj – A

367. Signal Regiment, Samobor – A

308. Signal Regiment, Ljubljana – A

? . Replacement Regiment – R

653. Education Center, Otocac

Zagreb City Defense Command (disbanded in 1990)

10. Corps, Zagreb (established in 1990)

4. Armored Brigade, Jastrebarsko (with Mechanized Bn at Karlovac) – B (upgraded to A in 1990)

31. Mechanized Brigade, Dugo Selo – R (disbanded in 1990)

140. Motorized Brigade, Zagreb (HQ) – B (was reorganized as 140. Mechanized Brigade in 1990 with units at Zagreb and Dugo Selo)

257. Motorized Brigade, Petrinja – R (formed of 257. and 291. Infantry Regiment around 1990)

622. Motorized Brigade, Petrinja – R

33. Partisan Division, Dugo Selo – R

4. Partisan Brigade, Karlovac – R

6. Mixed Artillery Regiment, Zagreb – R

6. Mixed Anti-Tank Regiment, Zagreb – R

167. Self-propelled Anti-Tank Artillery Group, Zagreb – R

151. Anti-Tank Artillery Battery – R

152. Anti-Tank Artillery Battery – R

306. Light Air Defense Artillery Regiment, Karlovac

313. Light Air Defense Artillery Regiment, Zagreb – R

6. Light Air Defense Artillery Group, Zagreb

- 10. Recce Co – R
- 10. Engineer Regiment
- 123. Bridge Bn, Dugo Selo – A
- 671. Bridge Bn – R
- 485. Bridge Bn, Karlovac
- 17. Bridge Co
- 74. Bridge Co
- 10. NBC Defense Co
- 10. Military Police Bn – R
- 10. Signal Bn - R
- 10. Medical Bn - R
- 60. Medical Co - R
- 10. Transportation Co – R
- 10. Replacement Bn – R
- 530. Logistics Base, Bosanski Petrovac
- 944. Logistics Base, Karlovac
- ?. Logistics Base, Zagreb

13. Corps, Rijeka

- 8. Proletarian Motorized Brigade, Karlovac – R (*formed in 1990*)
- 13. Proletarian Motorized Brigade, Illirska Bistrica (*and Rijeka-Trsat*) – B (*upgraded to A in 1990*)
- 25. Motorized Brigade, Pazin (*reorganized as 25. Infantry Brigade around 1990, see also 5. Maritime Sector*)
- 236. Proletarian Motorized Brigade, Gospic – R (*formed of 9. and 10. Proletarian Infantry Regiment in 1990*)
- 6. Mountain Brigade, Delnice – B
- 12. Mountain Brigade, Bihac (*possibly disbanded around 1990*)
- 8. Partisan Division (*disbanded around 1990*)
- 35. Partisan Division, Gospic – R (*had two Brigades only*)
- 43. Partisan Division, Pazin – R
- 13. Mixed Artillery Regiment – R
- 13. Mixed Anti-Tank Regiment – R
- 166. Self-propelled Anti-Tank Artillery Group, Bihac – R (*possibly disbanded around 1990*)
- ?. Self-propelled Anti-Tank Artillery Group – R
- 13. Light Air Defense Artillery Regiment – R
- 13. Recce Co
- 127. Engineer Regiment – A
- 540. Bridge Bn – R
- ?. Bridge Co – R
- ?. Bridge Co – R
- ?. Bridge Co – R
- 13. NBC Defense Co – R
- 13. Military Police Bn, Rijeka – R
- 13. Signal Bn, Rijeka – R
- 13. Medical Bn – R
- 13. Transportation Bn – R
- 13. Replacement Bn – R
- 44. Border Sector – A (*probably disbanded about 1990*)

14. Corps, Ljubljana

- 1. Armored Brigade, Vrhnika – B (*upgraded to A in 1990*)
 - 14. Proletarian Motorized Brigade, Ljubljana-Sentvid – R
 - 228. Motorized Brigade, Postojna (*with one Motorized Bn at Vipava and two Tank Bn at Pivka*) – A
 - 253. Motorized Brigade, Ajdovscina (*with two Motorized Bn at Vipava*)
 - 345. Alpine Brigade, Kranj (*with Alpine Bn at Bohinjska Bela, Tolmin and Skofja Loka*) – B
 - 15. Partisan Division, Novo Mesto – R
 - 5. Partisan Brigade, Ljubljana
 - 14. Partisan Brigade, Novo Mesto
 - 25. Partisan Brigade, Ribnica
 - 30. Partisan Division, Vrhnika – R
 - 13. Partisan Brigade, Rakek
 - 19. Partisan Brigade, Ajdovscina
 - 20. Partisan Brigade, Vrhnika
 - 1. (Separate) Partisan Brigade – R
 - 14. Mixed Artillery Regiment, Ribnica
 - 14. Mixed Anti-Tank Regiment, Veliki Otok (*near Postojna*)
 - 314. Anti-Tank Artillery Group
 - 168. Barrage Battery
 - 635. Light Air Defense Artillery Regiment, Ljubljana-Sentvid
 - 14. Recce Co, Postojna
 - 14. Engineer Regiment, Skofja Loka
 - 45. Bridge Co
 - ?. NBC Defense Co
 - 298. Military Police Bn, Ljubljana
 - 14. Signal Bn, Ljubljana
 - 14. Medical Bn, Ljubljana
 - 14. Transportation Bn
 - 14. Replacement Bn – R
 - ?. Alpine Troops Replacement Bn – R (*did exist, but no evidence if definitely with 14. Corps*)
 - 61. Border Bn, Radovljica – A
 - 62. Border Bn, Tolmin – A
 - 63. Border Bn, Nova Gorica – A
 - 64. Border Bn, Sezana – A
 - 528. Logistics Base, Ljubljana
- The 14. Corps had a peactime strength of 13.900 men*

31. Corps, Maribor

- 6. Motorized Brigade, Celje (*possibly was Infantry Brigade only*)
- 145. Motorized Brigade, Novo Mesto
- 195. Motorized Brigade, Maribor – B
- 29. Partisan Division, Ptuj – R
- 11. (Separate) Partisan Brigade, Slovenska Bistrica – R
- 31. Mixed Artillery Regiment, Maribor
- 417. Mixed Anti-Tank Regiment, Ptuj
- 183. Anti-Tank Artillery Battery – R
- 186. Anti-Tank Artillery Battery – R
- 31. Light Air Defense Artillery Regiment, Ptuj
- ?. Recce Co
- 522. Engineer Regiment, Celje
- 270. Bridge Bn
- 76. Bridge Co

? NBC Defense Co
31. Military Police Bn, Maribor
31. Signal Bn
31. Medical Bn
31. Transportation Bn
31. Replacement Bn – R
65. Border Bn, Murska Sobota – A
66. Border Bn, Maribor – A
67. Border Bn, Dravograd – A
699. Logistics Base, Celje
The 31. Corps had a peacetime strength of 6.300 men

32. Corps, Varazdin

32. Mechanized Brigade, Varazdin – A
265. Mechanized Brigade, Bjelovar (*with Mechanized Bn and Engineer Bn at Koprivnica*) – B
(*upgraded to A in 1990, before was under direct command of 5. VO*)
73. Motorized Brigade, Koprivnica – R
28. Partisan Division, Bjelovar – R
32. Partisan Division, Varazdin – R
411. Mixed Anti-Tank Regiment, Krizevci – R
32. Mixed Artillery Regiment, Varazdin
32. Light Air Defense Artillery Regiment, Varazdin
?. Recce Co
32. Engineer Regiment, Cakovec
32. NBC Defense Co, Varazdin
32. Military Police Bn, Varazdin
32. Signal Bn, Varazdin
32. Medical Bn, Varazdin
32. Transportation Bn
32. Replacement Bn – R
42. Border Bn, Virovitica – A
43. Border Bn, Koprivnica – A
The 32. Corps had a peacetime strength of 1.800 men

Maritime Military District

("Vojnopomorska Oblast", VPO), HQ at Split

The VPO had a peacetime strength of about 20.000 to 22.000 men

NOTE: Joint land/sea command, including Yugoslav Navy („Jugoslavenska Ratna Mornarica“, JRM).

Operations Center VPO, Zrnovnica *(underground facility, including missile storage facility)*

108. Coastal Missile Brigade, Radovici *(underground facility)*

(P-20 Rubez, NATO-Code SS-N-2C Styx, and BROM yugoslav derivatives)

60. Self-propelled Medium Air Defense Missile Regiment, Sepurine *(Kub-M) – A*

(in peacetime also training unit with Air Defense School at Zadar)

86. Protection Regiment, Split *(established about 1990)*

82. Naval Center *("82. Pomorski Centar")*, Split-Divulje *(Naval Special Forces unit)*

Naval Special Forces Detachment, Pula *(no confirmation if still existed in 1990)*

332. Signal Regiment, Sinj

290. Military Police Bn, Split-Visoko

?. Replacement Regiment

9. Corps, Knin

221. Motorized Brigade, Knin *(with Tank Bn at Benkovac) – B (upgraded to A in 1990)*

180. Motorized Brigade, Benkovac

9. Mixed Artillery Regiment

557. Mixed Anti-Tank Regiment, Knin

?. Light Air Defense Artillery Regiment

?. Recce Co

594. Engineer Regiment, Sinj

?. NBC Defense Co

9. Military Police Bn, Knin

9. Signal Bn

9. Medical Bn

9. Transportation Bn

9. Replacement Bn

405. Logistics Base, Knin

The 9. Corps had a peacetime strength of 1500 men

The Fleet, HQ at Split

NOTE: A typical coast defense force, operated four frigates (two soviet Koni-class, two licence built Kotor-class), five patrol submarines, 16 missile boats, 14 torpedo boats, several patrol boats, minesweepers and landing craft with bases at Pula, Sibenik, Split-Lora (main base), Kardeljevo, Komiza at Vis Island, Ubli at Lastovo Island and Tivat in the Boka Kotorska. Additionally there were several boat bunkers: at Dugi Otok Island (three), Vis Island (one), Brac Island (three), Lastovo Island (two), Kardeljevo (three) and camouflaged moorings: at Rab Island (six), Molat Island (three), Dugi Otok Island (two), Rogoznica (two), Mljet Island (one).

5. Maritime Sector („5. Vojnopomorski Sektor“, 5. VPS), Pula

139. Guards Naval Infantry Brigade, Pula – B (reorganized as 139. Motorized Brigade around 1990, including Armored Bn at Pazin, Infantry Bn at Umag and Artillery Bn at Barbariga, see also 25. Motorized Brigade / 13. Corps)

? Military Police Bn

? Signal Bn

? Coastal Surveillance Bn

? Naval Logistics Base

8. Maritime Sector (8. VPS), Sibenik

11. (Proletarian) Naval Infantry Brigade, Sibenik – B (reorganized as 12. Amphibious Brigade around 1990, probably one Naval Infantry Bn at Bonaster / Molat Island)

? Military Police Bn

? Signal Bn

? Coastal Surveillance Bn

404. Naval Logistics Base, Kardeljevo

9. Maritime Sector (9. VPS), Kumbor

472. Motorized Brigade, Trebinje - B

521. Naval Infantry Regiment - R

107. Mixed Artillery Brigade, Radovici (possibly was Artillery Group only)

? Military Police Bn

? Signal Bn

? Coastal Surveillance Bn

337. Naval Logistics Base, Kumbor

(Separate) Naval Strongpoints („Vojnopomorska Uporista“, VPU)

VPU Vis Island

VPU Lastovo Island

VPU Losinj Island

each had:

- two or three Naval Infantry Co

- one Light Air Defense Artillery Group

- one Mixed Artillery Group

- one or two Coastal Missile Groups (truck-mounted BROM/Rubez):

203. at Lastovo/Velje more,

? at Losinj/Tovar,

202. at Vis/Stupisce,

? at Vis

- one Engineer Co or Plt

- one Coastal Surveillance and Signal Co

- one Logistics Co

Coastal Artillery

organized with Groups and Batteries, typical unit was:

- one command squad*
- four gun squads*
- one infantry squad*

Pula area and Brijun Islands: Rt. Barbariga (4x 155mm), Mali Brijun (6x 150mm), Veli Brijun (3x 150mm), Veli Brijun / Peneda (4x 66mm), Rt Kumpar (4x 76mm), Rt Muzilj (4x 88mm), Kope (2x 190mm), Svetica (2x 88mm, 2x76mm)

Losinj Island: Tovar (4x 88mm), Rt. Privlaka (4x 88mm), Rt Cikat (aka Cigale, 2x76mm)

Cornat Islands: Silba Island (4x 80mm), Premuda Island (4x 76mm), Ist Island (4x 90mm), Molat Island / Bonaster (4x 76mm), (Northern) Zirje Island (2x 90mm)

Rogoznica area: Zecevo (4x 90mm), Smokvica Island (4x 80mm), Rogoznica (5x 130mm, 5x 100mm, 20x 85mm)

Split area: Solta Island / Marinca rat (4x 80mm), Veli Drvenik Island (4x 90mm), Brac Island / Razanj (?x 85mm), Split-Duiloovo (disbanded ?), Split-Kasjuni (disbanded ?)

Vis Island area: Bisevo Island (4x 80mm), Barjaci Islands (4x 80mm), Stupisce (4x 90mm), Rt Nova Posta (4x 80mm), Sveti Juraj (4x 66mm), Smokovo Polje (4x 90mm), Talez (?x 130mm)

Hvar Island area: Rt Kabal (4x 75mm), Scedro Island (2x 88mm)

Korcula Island: Raznjic (4x 88mm), Berkovica (2x 85mm), Velo Dance (2x 85mm), Privala (2x 85mm)

Lastovo Island area: Mrcara Island (4x 88mm), Velje More (4x 88mm)

Mljet Island: Goli rat (4x 80mm), Rt Gruj (4x 88mm)

Dubrovnik area: Sipan Island (4x 88mm), Rt Petka (4x 88mm), Rt Pelegrin (4x 88mm), Cavtat (4x 76mm), Molunat (2x 150mm)

Lustica peninsula area: Rt Kobila (3x 76mm), Kabala (4x 76mm), Arza (2x 150mm), Rt Kociste (4x 80mm), Rt Traste (3x 150mm), Rt Platamuni (2x 150mm)

Bar area: Rt Skocidjevojka (4x 88mm), Crni rt (4x 88mm), Rt Volujica (4x 80mm), Dobra Voda (4x 88mm)

NOTE: Rt or rat = Cape

Still missing

This OOB is incomplete. One reason for that is the lack of declassified sources, another one is the confusion about designations and locations of units caused by the several wars in former Yugoslavia after 1991. Not to forget the many changes that were made before as a result of the „Jedinstvo“ reorganization plan. However, the JNA at the turn of the years 1989/1990 had 15 more Infantry Brigades/Regiments than listed above. Some few of them even could have been Motorized Brigades. The available sources don't give conclusive evidence. There were also six more Partisan Divisions than listed and some separate Partisan Brigades. One Mountain Brigade could not be localized, and several other units of Regimental and Battalion size. Units still not identified probably were garrisoned at the following places (unconfirmed data):

Aleksinac	<i>50. or 148. Infantry Brigade/Regiment?</i>
Apatin	<i>129. Infantry Brigade/Regiment?</i>
Bar	
Beograd	<i>150. Motorized Regiment? 504. Infantry Brigade/Regiment?</i>
Bileca	
Donji Vakuf	
Dvor na Uni	
Gorazde	
Ivangrad	<i>3. Infantry Brigade/Regiment?</i>
Kalinovik	
Kikinda	
Kiseljak	
Kolasin	
Kraljevo	<i>27. Infantry Brigade/Regiment?</i>
Kremna	
Leposavic	<i>58. Infantry Brigade/Regiment?</i>
Mladenovac	<i>35. Infantry Brigade/Regiment?</i>
Negotin	
Nevesinje	
Nis	<i>2. Infantry Brigade/Regiment?</i>
Nova Varos	
Novi Sad	<i>127. Infantry Brigade/Regiment?</i>
Obrenovac	<i>153. Infantry Brigade/Regiment?</i>
Pec	<i>? Infantry Brigade/Regiment?</i>
Petrovac na Mlavi	<i>? Infantry Brigade/Regiment?</i>
Pozarevac	<i>20. Infantry Brigade/Regiment?</i>
Priboj	
Prilep	
Prokuplje	<i>805. Infantry Brigade/Regiment?</i>
Sanski Most	
Svetozarevo	<i>21. Infantry Brigade/Regiment?</i>
Svilajnac	<i>Quartermaster Education Center</i>
Titovo Uzice	<i>134. Infantry Brigade/Regiment?</i>
Uzamnici	
Veliko Gradiste	
Visoko	

Zabljak
Zenica

Units of unknown location/assignment:

58. Signal Bn (37. Corps?)
639. Logistics Base (5. VO)
603. NBC Defense Bn, Zenica
Quartermaster Education Center, Svilajnac

„Jedinstvo“ Plan

(totals for January 1990 / categories in brackets)

5 KoV-Divisions (3 B, 2 R)

23 Partisan Divisions (all R)

72 Partisan Brigades (all R)

6 Armored Brigades (all B)

11 Mechanized Brigades (7 A, 3 B, 1 R)

1 Guards Motorized Brigade (A)

32 Motorized Brigades (4 A, 21 B, 7 R)

1 Motorized Regiment (R)

20 Infantry Brigades (2 A, 10 B, 8 R)

17 Infantry Regiments (5 B, 12 R)

7 Mountain Brigades (3 B, 4 R)

1 Alpine Brigade (B)

2 Naval Infantry Brigades (both B)

1 Naval Infantry Regiment (R)

5 Mixed Anti-Tank Artillery Brigades (all B)

21 Mixed Anti-Tank Artillery Regiments (12 B, 9 R)

10 Anti-Tank Artillery Groups (all R)

4 Self-propelled Anti-Tank Artillery Groups (all R)

6 Mixed Artillery Brigades (all B)

1 Missile Artillery Brigade (B)

20 Mixed Artillery Regiments (17 B, 3 R)

6 Self-propelled Air Defense Missile Regiments (all A)

19 Light Air Defense Artillery Regiments (9 A, 7 B, 3 R)

1 Light Air Defense Artillery Group (R)

8 Special Forces Detachments (5 A, 2 B, 1 R)

19 Military Police Bn (8 A, 8 B, 3 R)

8 Signal Regiments (all A)

24 Signal Bn (14 A, 8 B, 2 R)

2 Electronic Intelligence and ECM Centers (both A)

1 ECM Bn (A)

4 Electronic Intelligence Bn (all A)

25 Engineer Regiments (13 B, 12 R)

11 Bridge Bn (2 A, 4 B, 5 R)

4 NBC Defense Regiments (all A)

6 Replacement Regiments (all R)

15 Replacement Bn (all R)

1 Alpine Troops Replacement Bn (R)

14 Education Centers (1 A, 13 R)

2 Border Bn (both A)

33 Border Sectors (all A)

NOTE: In the course of the year 1990 the following units were disbanded: 4 KoV-Divisions, 3 Partisan-Divisions, 4 KoV-Brigades, 13 different Regiments, 22 Partisan Brigades, 5 Education Centers, 2 Logistics Bases, 24 separate Bn and Groups, 6 Border Sectors and 35 separate units of company and battery size. On the other hand some new formations were established, the Protection Regiments for example, or reorganized (Infantry Regiments/Brigades transformed to Motorized Brigades, Border Sectors transformed to BorderBn). The totals differ in some cases from the number of units listed in this OOB due to unconfirmed data.

Part 2: Ratno Vazduhoplovstvo i Protivvazdusna Odbrana (RV i PVO) - Air Force and Air Defense

HQ RV i PVO

Zemun

Operative HQ, Beograd-Strazevica (*„Object 909“, underground facility*)

Main Operations Center, Jahorina (*„Object Miroc“, underground facility*)

321. Signal Bn, Sarajevo-Nedjarici

322. Signal Bn, Novi Sad

Air Force Intelligence Center, Zemun

Air Force Counter-Intelligence Group, Zemun

99. Military Police Co, Zemun

63. Airborne Brigade, Nis – A (*under direct command of Ministry of Defense/General Staff*)

138. Air Transport Brigade, Batajnica – B

- 675. Mixed Air Transport Squadron (*Yak-40, Falcon-50, Learjet-25, Do-28D*)
- 678. Mixed Aircraft Squadron (*Yak-40 EI, Mi-8 PED, electronic combat unit, formed in 1990*)
- 890. Transport Helicopter Squadron (*Mi-8, Alouette-III, SA-341/342 Gazela*)
- 681. Air Transport Squadron, Surcin – R (*JAT civil aircraft, disbanded in 1990*)
- 682. Air Transport Squadron, Ljubljana – R (*Inex-Adria civil aircraft, disbanded in 1990*)
- 683. Air Transport Squadron, Surcin – R (*civil aircraft, disbanded in 1990*)
- 684. Air Transport Squadron, Surcin – R (*civil aircraft, disbanded in 1990*)
- 1. Pilots Replacement Squadron, Surcin – R (*Aviogenex civil airline pilots, disbanded in 1990*)
- 2. Pilots Replacement Squadron, Surcin – R (*Adria Airways civil pilots, disbanded in 1990*)
- 3. Pilots Replacement Squadron, Batajnica – R (*JAT civil airline pilots, disbanded in 1990*)

786. Liaison Helicopter Squadron (*Mi-8*), Mostar-Ortiješ – R

676. Fire-Fighting Aircraft Squadron (*CL-215*), Zadar-Zemunik

160. Aviation Technical Base, Pancevo – A

333. Airport-Technical Bn, Pancevo

975. Air Force Education Center, Sombor

- 86. Aircraft-handling Bn – R

- 86. Security Co – R (*planned to be relocated to 399. Air Base at Tuzla in 1990*)

672. Driving School Center, Kovin

684. Transportation Co – R

1. Air Corps

HQ (including Military Police Plt and Transportation Plt) at Batajnica

"Object 909", Beograd-Strazevica (*underground command facility*)

210. Signal Bn, Beograd-Banjica

1. Air Control Regiment, Beograd-Banjica

- 20. Air Control Bn, Stari Banovci
- 58. Air Control Bn, Sarajevo-Nedjarici
- 61. Air Control Bn, Split

Radar stations: Jahorina (S-600), Majevisa Mtn (AN/TPS-70 and – temporary - S-600), Stari Banovci (AN/TPS-70), Sombor (AN/TPS-63), Biokovo Mtn, Osijek
Aerial Surveillance Station: Lovcen Mtn

NOTE: Full designation of Air Control units was „Aerial Surveillance, Reporting and Guidance“ („Vazdusno osmatranje, javljanje i navodjenje“, VOJIN)

204. Fighter Regiment, Batajnica

- 126. Fighter Squadron (*MiG-21bis*)
- 127. Fighter Squadron (*MiG-29A/UM*)
- 128. Center for Refresher Training of Supersonic Aircraft Pilots (*MiG-21bis*)

97. Aviation Brigade, Split-Divulje

- 240. Fighter-Bomber Squadron (*J-21 Jastreb*), Mostar-Ortije
- 353. Recce Squadron (*IJ-22 Orao*), Mostar-Ortije
- 784. ASW-Squadron (*Mi-14, Ka-25, Ka-28*)
- 785. Separate Anti-Ship Helicopter Detachment
- 790. Transport Helicopter Squadron (*Mi-8*)

701. Aviation Brigade, Tuzla (never became operational, disbanded in 1990)

- 245. Fighter-Bomber Squadron (*G-2 Galeb*), Mostar-Ortije - R
- 252. Fighter-Bomber Squadron (*G-2 Galeb, G-4 Super-Galeb, Jastreb, UTVA-66*), Batajnica (*training formation*)
- 350. Recce Squadron (*IJ-21 Jastreb, INJ-22 Orao*) (*disbanded in 1990*)
- 722. Anti-Tank Helicopter Squadron (*SA-341/342 Gazela GAMA*) – R

895. Recce and Liaison Squadron (SA-341 Gazela), Split-Divulje - B (for VPO)

896. Recce and Liaison Squadron (SA-341 Gazela), Sarajevo-Rajlovac- B (for 1. VO)

- Helicopter Detachment, Batajnica

250. Air Defense Missile Brigade, Batajnica (*operational HQ at Strazevica /, object 909“*)

- 1. Missile Group, Jakovo (*S-75 Dvina, NATO-Code SA-2C Guideline*) – R (*in 1990*)
- 2. Missile Group, Obrenovac (*S-75 Dvina*) – R (*in 1990*)
- 3. Missile Group, Mladenovac (*S-75 Dvina*) – A
- 4. Missile Group, Smederevo (*S-75 Dvina*) – A
- 5. Missile Group, Batajnica (*S-125M Neva-M, NATO-Code SA-3B Goa*) – A
- 6. Missile Group, Pancevo (*S-125M Neva-M*) – A
- 7. Missile Group, Jakovo (*S-125M Neva-M*) – A
- 8. Missile Group, Zuce (*S-125M Neva-M*) – A
- 1. Missile-Technical Group, Sremcica (*for Dvina*)
- 2. Missile-Technical Group, Zuce (*for Neva-M*)

130. Air Base, Sarajevo-Rajlovac – B

- 281. Security Co, Sarajevo-Rajlovac – R
- 281. Aircraft-handling Co

171. Air Base, Mostar-Ortije („*Object Buna“*, *underground facility*)

- 171. Light Air Defense Artillery/Missile Group – R
- 171. Aircraft-Technical Bn
- 72. Security Bn, Cilipi – R (*reorganized as 72. Security Co in 1990*)
- 93. Security Bn, Glamoc – R

177. Air Base, Batajnica

- 177. Light Air Defense Artillery/Missile Group – R
- 177. Aircraft-Technical Bn
- 15. Security Bn, Kovin – R
- 55. Security Bn, Surcin – R
- 64. Security Bn, Valjevo-Divci – R
- 103. Security Plt, Batajnica – R
- 316. Reserve Air Base, Zemun – R

399. Air Base, Tuzla

- 399. Aircraft-Technical Bn
- 263. Security Co, Osijek – R (*renamed 63. Security Co in 1990*)

399. Light Air Defense Artillery/Missile Regiment, Tuzla (*disbanded in 1990*)

500. Air Base, Split-Divulje („*Object Cetina“*, *underground facility*)

502. (Reserve) Air Base, Vrsac – R

- 64. Aircraft-handling Bn – R

339. Engineer Bn, Sarajevo (*disbanded in 1990*)

376. Transportation Co – R

1. Air Force Replacement Squadron, Batajnica – R

3. Air Corps

HQ (including Military Police Plt and Transportation Plt) at Nis

112. Signal Bn, Nis

3. Electronic Intelligence Center, Nis

3. Air Control Regiment, Nis

- 31. Air Control Bn, Kraljevo
- 68. Air Control Bn, Kumanovo

Radar stations: S-600 radars at Goles Mtn, Kopaonik Mtn, Zlatibor Mtn, Skopje, Valandovo.

Aerial Surveillance stations: Djakovica, Skopska Crna Gora Mtn

83. Fighter Regiment, Pristina-Slatina (underground facility)

- 123. Fighter Squadron (*MiG-21bis*)
- 130. Fighter Squadron (*MiG-21bis*)

98. Aviation Brigade, Skopski Petrovac

- 241. Fighter-Bomber Squadron (*J-22 Orao*)
- 247. Fighter-Bomber Squadron (*J-21 Jastreb*)
- 354. Recce Squadron (*IJ-21 Jastreb*), Kraljevo-Ladjevci

119. Aviation Brigade, Nis

- 677. Air Transport Squadron (*An-26, An-2*)
- 787. Transport Helicopter Squadron (*Mi-8*)
- 789. Transport Helicopter Squadron (*Mi-8*) (*disbanded in 1990*)
- 712. Anti-Tank Helicopter Squadron (*Gazela GAMA*), Kraljevo-Ladjevci
- 714. Anti-Tank Helicopter Squadron (*Gazela GAMA*)
- Separate Aviation Detachment (*disbanded in 1990*)
- 678. Air Transport Squadron, Skopje – R (*civil aircraft, disbanded in 1990*)

891. Recce and Liaison Squadron (*SA-341 Gazela*), Nis – B (for 3. VO)

- Helicopter Detachment, Titograd-Golubovci

450. Air Defense Missile Regiment, Skopski Petrovac

- 1. Missile Group, Skopje (*S-125M Neva-M*)
- 2. Missile Group, Skopski Petrovac (*S-125M Neva-M*)
- 3. Missile Group, Cojlje (*S-125M Neva-M*)
- 4. Missile Group, Skopje (*S-125M Neva-M*)
- 1. Missile-Technical Group, Cojlje

161. Air Base, Nis

- 161. Light Air Defense Artillery/Missile Group
- 161. Aircraft-Technical Bn
- 174. Security Co, Trstenik – R (*renamed 74. Security Co in 1990*)

165. Air Base, Skopski Petrovac

- 165. Light Air Defense Artillery/Missile Group
- 165. Aircraft-Technical Bn
- 147. Aircraft-handling Co, Rezanovce
- 147. Security Co, Rezanovce – R (*disbanded in 1990*)
- 148. Aircraft-handling Co, Ohrid

285. Air Base, Kraljevo-Ladjevci

- 90. Light Air Defense Artillery/Missile Group, Sjenica – R
- 285. Light Air Defense Artillery/Missile Group
- 285. Aircraft-Technical Bn
- 28. Aircraft-handling Bn – R
- 174. Aircraft-handling Co, Trstenik
- 28 Security Bn – R
- 87. Security Bn, Ponikve – R

423. Air Base, Titograd-Golubovci (*underground facility*)

- 423. Light Air Defense Artillery/Missile Group
- 30. Security Bn, Ivangrad – R (*reorganized as 30. Security Co in 1990*)
- 186. Security Co, Niksic – R
- 186. Aircraft-handling Co, Niksic

492. Air Base, Pristina-Slatina („Object Morava“, *underground facility*) – A

- 85. Security Bn, Sjenica – R

492. Light Air Defense Artillery/Missile Regiment, Pristina-Slatina

359. Engineer Bn, Kraljevo-Ladjevci

643. Transportation Co – R

3. Air Force Replacement Squadron, Nis – R

5. Air Corps

HQ (including Military Police Plt and Transportation Plt) at Zagreb

289. Signal Bn, Kerestinec

5. Electronic Intelligence Center, Velika Buna

5. Air Control Regiment, Kerestinec

- 51. Air Control Bn, Bihac-Zeljava („*Object Jasen*“, *underground facility*)

- 91. Air Control Bn, Vrhnika

Radar stations: Pljesevica Mtn (AN/TPS-70 and S-600), Kozara Mtn (AN/TPS-70 and – temporary – S-600), Zadar (S-600), Ljubljanski vrh (S-600), Oljska gora (S-600), Savudrija (S-600), Pula, Bjelovar, Sasna Greda (near Sisak), Kurilovec (AN/TPS-63)

Aerial surveillance station: Pohorje Mtn

Reserve radar post: Papuk Mtn

82. Aviation Brigade, Cerklje

- 237. Fighter-Bomber Squadron (*J-21 Jastreb, NJ-21 Jastreb*)

- 238. Fighter-Bomber Squadron (*J-22 Orao, NJ-22 Orao*)

- 351. Recce Squadron (*IJ-22 Orao, INJ-22 Orao*)

- 4. Pilots Replacement Squadron – R (*civil airline pilots, disbanded in 1990*)

111. Aviation Brigade, Zagreb-Pleso

- 679. Air Transport Squadron (*An-26, An-2*)

- 780. Transport Helicopter Squadron (*Mi-8*)

- 781. Transport Helicopter Squadron (*Mi-8*) (*disbanded in 1990*)

- 711. Anti-Tank Helicopter Squadron (*Gazela GAMA*), Zagreb-Lucko

- 713. Anti-Tank Helicopter Squadron (*Gazela GAMA*)

- Separate Aviation Detachment (*disbanded in 1990*)

- 685. Air Transport Squadron, Osijek – R (*civil aircraft, disbanded in 1990*)

117. Fighter Regiment, Bihac-Zeljava

- 124. Fighter Squadron (*MiG-21bis*)

- 125. Fighter Squadron (*MiG-21bis*)

- 352. Recce Squadron (*MiG-21R, MiG-21M, became separate squadron under direct command of Air Force HQ in 1990*)

894. Recce and Liaison Squadron (*SA-341 Gazela*), Zagreb-Pleso – B (*for 5. VO*)

- Helicopter Detachment, Brnik

155. Air Defense Missile Regiment, Kerestinec

- 1. Missile Group, Cerklje (*S-75M Volhov, NATO-Code SA-2F Guideline*)

- 2. Missile Group, Karlovac (*S-75M Volhov*)

- 3. Missile Group, Sisak (*S-75M Volhov*)

- 4. Missile Group, Zabok (*S-75M Volhov*)

- 1. Missile-Technical Group, Kerestinec

350. Air Defense Missile Regiment, Vrhnika

- 1. Missile Group, Ljubljana-Sentvid (*S-125M Neva-M*)
- 2. Missile Group, Ljubljana-Polje (*S-125M Neva-M*)
- 3. Missile Group, Logatec (*S-125M Neva-M*)
- 4. Missile Group, Postojna (*S-125M Neva-M*)
- 1. Missile-Technical Group, Vrhnika

84. Air Base, Zadar-Zemunik

- 84. Light Air Defense Artillery/Missile Group
- 84. Aircraft-Technical Bn

151. Air Base, Zagreb-Pleso

- 151. Light Air Defense Artillery/Missile Group
- 151. Aircraft-Technical Bn
- 18. Security Bn, Banja Luka – R
- 196. Security Co, Zagreb-Lucko – R (*renamed 96. Security Co in 1990*)
- 196. Aircraft-handling Co, Zagreb-Lucko

200. Air Base, Bihac-Zeljave

- "Object Klek" (*underground facility*)
- 200. Aircraft-Technical Bn
- 67. Security Bn, Udbina – R
- 236. Security Co, Prijedor – R
- 236. Aircraft-handling Co, Prijedor
- 262. Security Co, Bled – R (*renamed 62. Security Co in 1990*)

NOTE: „Object Klek“ was a large underground air base with space for up to 80 MiG-21-fighters

200. Light Air Defense Artillery/Missile Regiment, Bihac-Zeljave – B

258. Air Base, Pula

- 258. Light Air Defense Artillery/Missile Group
- 258. Aircraft-Technical Bn
- 81. Security Co, Krk – R
- 243. Security Co, Grobnicko Polje – R
- 243. Aircraft-handling Co, Grobnicko Polje

474. Air Base, Cerklje

- 474. Light Air Defense Artillery/Missile Group
- 474. Aircraft-Technical Bn
- 27. Security Bn, Novo Mesto – R
- 88. Security Co, Brnik – R
- 88. Aircraft-handling Co, Brnik
- 262. Aircraft-handling Co, Bled

379. Engineer Bn, Zagreb

672. Transportation Co – R

3. Air Force Replacement Co, Zagreb-Pleso – R

Air Force Academy

Zadar-Zemunik

105. Fighter-Bomber (Training) Regiment, Zadar-Zemunik

- 249. Fighter-Bomber Squadron (*G-4 Super-Galeb*)
- 251. Fighter-Bomber Squadron (*G-2 Galeb*)

NOTE: Regiment was including aerobatics teams

107. Mixed Aviation (Training) Regiment, Mostar-Ortiješ – R

- 333. Light Combat Aircraft Squadron (*G-2 Galeb, UTVA-75*)
- 334. Light Combat Aircraft Squadron (*G-2 Galeb*)
- 782. Helicopter Squadron (*SA-341 Gazela*) – R

172. Fighter-Bomber (Training) Regiment, Titograd-Golubovci

- 239. Fighter-Bomber Squadron (*G-4 Super-Galeb*)
- 242. Fighter-Bomber Squadron (*J-21 Jastreb till 1989, re-equipped with J-22 Orao in 1990*)

185. Fighter-Bomber (Training) Regiment, Pula

- 129. Fighter Squadron (*MiG-21PFM, MiG-21UM*) (*in case of defense assigned to 117. Fighter Regiment at Bihac-Zeljave*)
- 229. Fighter-Bomber Squadron (*G-4 Super-Galeb*)

Separate Squadrons of Territorial Defense (TO)

46. Light Combat Aircraft Squadron (*J-20 Kraguj*), Titograd-Golubovci / TO Montenegro

467. Light Combat Aircraft Squadron (*J-20 Kraguj*), Brnik / TO Slovenia

NOTE: RV i PVO supported many civilian flight clubs. These clubs operated light training aircraft like UTVA-66 or UTVA-75. In case of defense the flight clubs would have formed several other Light Combat Aircraft Squadrons for TO.

Annex I:

Training and Instruction Centers

(all forces)

NOTE: In brackets: Numbers of cadre personnel and potential annual output of trainees. Totals: 11.000 / 76.000

Naval Education Center, Pula

Armored and Mechanized Troops Education Center, Banja Luka-Zaluzani

Warfare Education Center, Sombor

Education Center, Bihac

Education Center, Sarajevo

Education Center, Leskovac

Dog-handling Training Center, Nis

Technical Training Center, Senta

Technical Training Center, Ljubljana

Technical Training Center, Travnik

Technical Training Center, Nis

Training Center, Kicevo

Training Center, Bela Crkva (the one near Valjevo)

Training Center, Kovin

Training Center, Capljina

Training Center, Kraljevo

Training Center, Slavonska Pozega

(4.000 cadre personnel / 52.200 trainees per year, total for these conscripts training units)

Higher Military School Center „Marshal Tito“, Beograd - (605 / 576)

- Land Forces Military Academy
- Land Forces Command and Staff School
- Air Force Command and Staff School
- Higher Military-Political School of JNA
- School for National Defense – War School
- Center for Operative-Strategic Research and Studies

Military Technical School Center „Army-General Ivan Gosnjak“, Zagreb (1.300 / 3.026)

- Land Forces Technical College
- Common Military College „Ivo Lola Ribar“
- Military-Technical College
- Land Forces Technical Academy
- Military-Technical Faculty
- Land Forces Reserve Officers School for Technicians

Land Forces School Center „Army-General Kosta Nadj“, Sarajevo - (1.075 / 3.300)

- Land Forces Military College (Infantry)
- Rear Services Military College
- Land Forces Military Academy (Infantry)
- Rear Services Military Academy
- Reserve Officers School for Rear Services
- Reserve Officers School for Veterinarians

School Center for Armored and Mechanized Troops „Petar Drapsin“, Banja Luka - (100 / 500)

- Military College for Armored and Mechanized Troops
- Military Academy for Armored and Mechanized Troops
- Reserve Officers School for Armored and Mechanized Troops

Air Force and Air Defense School Center, Sarajevo-Rajlovac - (675 / 1.500)

- Air Force and Air Defense College
- Air Force Technical College
- Air Force and Air Defense Military Academy
- Air Force Reserve Officers School for Technicians

Air Force Academy, Zadar-Zemunik (see also Part 2) – (128 / 310)

- Air Force Reserve Officers School

Air Force Technical Academy, Beograd-Zarkovo - (15 to 18 / 60)

Higher Naval School Center „Marshal Tito“, Split-Divulje - (675 / 1.200)

- Naval Military College
- Naval Academy
- Naval Command and Staff School
- Naval Reserve Officers School

Artillery School Center, Zadar - (251 / 1.945)

- Military College for Artillery Troops
- Military Academy for Artillery Troops
- Artillery Reserve Officers School
- Reserve Officers School for Air Defense Artillery and Missile Troops

Air Defense School Center, Zadar - (340 / 800)

- Military College for Air Defense Troops
- Military Academy for Air Defense Troops
- Reserve Officers School for Air Defense Troops

Engineer School Center „National Heroe Bogdan Orescanin“, Karlovac - (260 / 1.730)

- Military College for Engineer Troops
- Military Academy for Engineer Troops
- Reserve Officers School for Engineer Troops

NBC-Defense School Center, Krusevac - (98 / 237)

- Land Forces Military College for NBC Defense Troops
- Land Forces Military Academy for NBC Defense Troops
- Reserve Officers School for NBC Defense Troops

School Center for Signal Troops, Beograd - (115 / 525)

- Military College for Signal Troops
- Military Academy for Signal Troops
- Reserve Officers School for Signal Troops

Medical School Center, Novi Sad - (125 / 350)

- Military Medical High School

Intelligence and Security Troops School Center, Pancevo - (200 / 120)

Military Driving School Center, Kraljevo - (270 / 4.750)

- Military College for Driving Duty
- Military Academy for Driving Duty
- Reserve Officers School for Driving Duty

Foreign Languages School, Beograd - (20 / 63)

(Separate) Infantry Reserve Officers School, Bileca - (460 / 750)

(Separate) Medical Reserve Officers School, Beograd - (25 / 335)

(Separate) Common Military College „Brotherhood and Unity“, Beograd - (163 / 1.000)

(Separate) Common Military College „Franc Rozman-Stane“, Ljubljana - (54 / 240)

(Separate) Air Force Common Military College „Marshal Tito“, Mostar - (105 / 400)

(operated some UTVA-75 and gliders)

Military Music College, Beograd - (18 / 30)

Annex II:

Test Centers and Military Institutes

(all forces)

Land Forces Technical Institute, Beograd-Zarkovo

Aviation Technical Institute, Beograd-Zarkovo

Land Forces Technical Test Center, Beograd-Kumodraz

- Nikinci Proving Ground
- Prevlaka Proving Ground

Air Force Test Center, Batajnica

Naval Test Center, Split-Lora

Shipbuilding Institute, Zagreb

Hydrographical Institute, Split

NBC Laboratory, Mostar

Military Medical Academy, Beograd

Aviation Medical Institute, Batajnica

Naval Medical Institute, Split

Institute of Mathematical and Electronical Applications, Beograd

Military Geographical Institute, Beograd

- Military Printing Office, Sarajevo

Military Historical Institute, Beograd

Annex III:

Maintenance Facilities

(all forces)

Aviation Establishment „Zmaj“, Velika Gorica *(combat aircraft)*

Aviation Establishment „Kosmos“, Banja Luka *(radar and air defense missile equipment)*

Aviation Establishment „Orao“, Sarajevo-Rajlovac *(aircraft engines)*

Aviation Establishment „Moma Stanojlovic“, Batajnica *(helicopters and missiles)*

Electrotechnical Establishment, Travnik *(signals equipment)*

Technical Maintenance Establishment, Sarajevo-Hadzici *(general equipment)*

Technical Maintenance Establishment, Cacak *(vehicles)*

Technical Maintenance Establishment, Kragujevac *(explosives, ammunition)*

Technical Maintenance Establishment, Bregana *(general equipment)*

Naval Technical Maintenance Establishment, Tivat

Naval Electronics Establishment, Split

Naval Technical Maintenance Establishment „Velimir Skorpik“, Sibenik

Annex IV:

Teritorijalna Odbrana (TO) - Territorial Defense

HISTORICAL BACKGROUND: The TO was formed in 1969 as a lesson learned from the Warsaw Pact invasion in Czechoslovakia the year before. It was highly decentralized and independent. The TO concept focused on small light infantry units fighting a partisan style war in their home area on familiar local terrain. The basic unit was a company/battalion-sized detachment, organized by communes, factories and enterprises. Along the coast the TO also operated some old gunboats in support of naval operations. Some larger units (Brigades) included more heavily equipment with wider operational capabilities. The TO was organized and financed by the six Yugoslav republics (Slovenia, Croatia, Serbia, Montenegro, Bosnia-Hercegovina, Macedonia) and the two autonomous provinces of Serbia (Vojvodina, Kosovo*). There were always tensions between the TO and the JNA. The fear that one of the republics or provinces might use it's TO to oppose the JNA and gain independence** led to a gradual centralization of the TO. According to the „Jedinstvo“-plan of 1987 the chain of command was changed. In wartime the Republics TO Staffs would have lost control over their TO-units, the TO should operate under the command of the Military Districts, TO Brigades being completely equal to Partisan Brigades organic to the JNA.

**In 1985 as a consequence of the uprising of ethnic Albanians all operations and mobilization plans for the Kosovo TO were seized, the weapons depots were sealed by JNA.*

***That's exactly what happened in Slovenia in 1991 though JNA had started to confiscate the TO-weapons in 1990*

PERSONNEL STRENGTH: Potentially up to three million Yugoslavs (ages of 15 to 65) could have been mobilized by TO. In the mid-80's TO strength in fact was around 1,2 to 1,5 million. Most TO-members were former conscripts of JNA. After obligatory service they became JNA-reservists or were immediately integrated into TO units. As a consequence of the „Jedinstvo“-plan TO-strength was dramatically reduced to less than a million - probably around 860.000 men.

NOTE: As already noted, sources for JNA are rare. With TO it is even worse. A reliable overview can be given for Bosnia-Hercegovina only.

TO Bosnia-Hercegovina

Republic's Staff TO, 1300 men

Main Staff TO, 500 men

9 Regional Staffs TO, 450 men each

109 Communal Staffs TO, 260 men each

26 Brigades TO, 1800 men each

13 Detachments TO, 112 men each

29 Detachments TO, 537 men each

67 Detachments TO, 497 men each

5 Air-Defense Groups TO, 330 men each

8 Bridge Co TO, 140 men each

9 Light Mortar Batteries TO, 87 men each

total personnel strength: 130.500 on mobilization (compare: 270.000 in mid 80's)

Annex V:

Tables of Organization and Equipment

1. Armored Brigade (*exemplary*)

HQ/Staff

Quartermaster Plt

Recce Co (3x PT-76, 3x BRDM-2, Motorcycle Plt)

Signal Co

Military Police Co

Engineer Bn (*in peacetime mixed Co only*)

- Pioneer Co

- Road Construction and Repair Co

- Fortification Co

NBC Defense Co

Light Air Defense Artillery/Missile Group

- 2x Self-propelled AD Artillery Battery (6x ZSU-57-2)

- Self-propelled AD Missile Battery (6x Strela-1M BRDM-2)

- Supply Co

Self-propelled Artillery Group

- 2x Self-propelled Howitzer Battery (6x 122mm 2S1 Gvozdika each)

- Rocket Launcher Battery (4x 128mm Oganj)

- Supply Co

3x Tank Bn, each:

- 2x Tank Co (13x M-84A)

- Mechanized Co (13x M80A)

- Supply Co

Mechanized Bn

- Tank Co

- 2x Mechanized Co

Logistics Bn

- Supply Co

- Technical Maintenance Co

- Technical Supply Co

- Medical Co

wartime strength: 3411 men

Equipment: 94 MBT (in fact, official strength was 104; for types see NOTE below), 3x PT-76B, 3x BRDM-2 (recce), 61x AIFV or APC (M-80A or M-60P), 7x BTR-50PU (command/signal), 5x TZI-55 ARV, 4x TNM-55 (bridge)

NOTE: M-84 tanks were in use with 1. Armored Brigade, 4. Armored Brigade (one Bn only), 211. Armored Brigade, 252. Armored Brigade and 51. Mechanized Brigade. 329. Armored Brigade had T-72M and M-84. All other tank formations had T-55 or T-34 (reserve units only). M-47 were in use with two separate (reserve) air force tank companies (for airbase defense, disbanded in 1988)

Mechanized Brigade

HQ

Military Police Co

Signal Co

Recce Co

2x Mechanized Bn

2x Tank Bn

Mixed Artillery Group

- *Equipment: 12x 2S1 Gvozdika 122mm, 6x M63 Plamen 128mm MRL, 12x 120mm mortars M74 or M75*

Light Self-propelled AD Missile Group

- *Equipment: 12x ZSU-57-2, 6x Strela-1M*

Mixed Anti-Tank Artillery Group

- *Equipment: 12x M-36 Jackson, 6x POLO M-83 or 9P133 BRDM-2*

Engineer Bn

NBC Defense Plt

Logistics Bn

wartime strength: 3838 men

Equipment: 83x T-55 MBT (with 1. Guards, 15., 32., 36. Mechanized Brigade, all others had 63 MBT only), 3x PT-76B, 3x BRDM-2 (recce), 82x AIFV (M-80A) or APC (M-60P), 7x BTR-50PU (command/signal), 5x TZI-55 ARV, 4x TNM-55 (bridge)

221. Motorized Brigade (exemplary)

HQ

Military Police Plt

Signal Co

Recce Co

Engineer Bn

NBC Defense Plt

Light Air Defense Artillery Group

Mixed Anti-Tank Artillery Group

Artillery Group (*18x 105mm or 122mm*)

2x Motorized Bn

Mechanized Bn

Tank Bn

Logistics Bn

NOTE: Motorized Brigades differed widely, some had 2 Tank/1 Motorized Bn (13. or 253. Brigade for example), others had 2 Tank/3 Motorized Bn (228. Brigade), 1 Tank/4 Motorized Bn (14. Brigade), 1 Tank/3 Motorized Bn (195. Brigade) or 4 Motorized Bn (145. Brigade). The 6. Motorized Brigade even is listed with 4 Infantry Bn only. To some others (like 221. or 10. Brigade) one Mechanized Bn was added in 1990.

Corps *(besides units already listed in Part 1)*

- *Military Court*
- *Department of Prosecution*
- *Counterintelligence Group*
- *Air Reporting Detachment*
- *Firing Range(s)*
- *Training Ground(s)*
- *Military Band*

345. Alpine Brigade

HQ

Quartermaster Plt

Signal Co

NBC Defense Plt

Recce Co

Military Police Co

5x Alpine Bn

Artillery Group *(105mm)*

Mixed Anti-Tank Artillery Group

Light Air Defense Artillery Group

Engineer Bn

Logistics Bn

Veterinary Plt

Mountain Brigade

HQ

Quartermaster Plt

Signal Co

NBC Defense Plt

Recce Co

Military Police Co

3x Mountain Bn

Artillery Group *(12x 105mm)*

Mixed Anti-Tank Artillery Group

Light Air Defense Artillery Group

Engineer Bn

Logistics Bn

Veterinary Plt

Light Infantry Brigade

HQ

Signal Plt

Recce Plt

3x Infantry Bn

Mortar Battery *(120mm)*

Light Rocket Launcher Battery *(M63 Plamen)*

Anti-Tank Plt *(9K111 Maljutka)*

Light Air Defense Plt *(20/1mm, Strela-2M)*

Engineer Plt

Naval Infantry Brigade

HQ

Signal Co

Recce Co

Engineer Co

NBC Defense Plt

Mixed Anti-Tank Artillery Group

Light Air Defense Artillery Group

Mixed Artillery Group

4x Naval Infantry Bn

Protection Regiment

HQ

Air Reporting Plt

Military Police Bn

Special Forces Detachment

In case of defense additionally:

Motorized Bn

Light Air Defense Missile Group

Engineer Co

NBC Defense Plt

82. Naval Center

Naval Special Forces Group („*Divizion Pomorski Diverzanata*“, DPD)

Training Group

Boat Detachment (*4 Una class midgets and some Mala class swimmer delivery vehicles*)

Technical Maintenance Plt

Signal Squad

Partisan Division

HQ

Quartermaster Plt

Signal Plt

Recce Plt

Medical Plt

Transportation Plt

Transportation Co

Mortar Group (*120mm*)

3x Partisan Brigade

- HQ

- Quartermaster Plt

- Recce Plt

- Signal Plt

- Engineer Plt

- Light Air Defense Plt

- 3 Partisan Bn

- Mortar Co (*120mm*)

- Rocket Launcher Battery

- Logistics Co

Separate Partisan Brigade

HQ

Quartermaster Plt

Recon Plt

Signal Plt

Engineer Plt

Light Air Defense Artillery Plt

3x Partisan Bn

Territorial Defense Brigade, Croatian TO

HQ

Recce Plt

Anti-Tank Artillery Group (82mm RCL)

Light Air Defense Artillery Group (12x 20mm AA guns)

Mixed Artillery Group (12 howitzers, 12 mortars)

3x Infantry Bn (300 to 400 men each)

personnel strength: 2100 men

Territorial Defense Detachment, Croatian TO

HQ

Recce Plt

Anti-Tank Artillery Group (6 RCL)

Light Air Defense Artillery Group (6 AA-guns)

Mixed Artillery Group (6 howitzers, 12 mortars)

5x Infantry Co (100 men each, 2x 60mm mortars, 2x RCL)

Border Battalion

HQ

Intervention Plt

Signal Detachment

2x Border Co

Border Service Training Co

Logistics Plt

Military Police Battalion

HQ

Signal Detachment

Criminal Investigation Technical Detachment

Readiness Squad

Investigation Squad

Anti-Sabotage Protection Detachment

Anti-Terrorist Plt

Mechanized Co

1x or 2x Motorized Co

Traffic Police Co

Logistics Plt or Co

personnel strength: 420 to 470 men

202. Mixed Artillery Brigade (*exemplary*)

HQ

Command Recce Battery (*Target Acquisition/Artillery Observation*)

Artillery Recce Group

3x Artillery Group (*18x 130mm each*)

Rocket Launcher Group (*18x M87 Orkan*) (?)

Light Air Defense Artillery Group (*48x 20/3mm*)

Engineer Co

Logistics Bn

personnel strength: some 2800 men

14. Mixed Artillery Regiment

HQ

Quartermaster Plt

HQ Battery

3x Battery (*155mm*)

Logistics Battery

31. Mixed Artillery Regiment

HQ

HQ Battery

Command Surveillance Battery

Artillery Group (*155mm*)

Artillery Group (*122mm*)

Rocket Launcher Group (*M77 Oganj*)

Engineer Co

Logistics Co

Mixed Anti-Tank Regiment

HQ

HQ Battery

Command Surveillance Battery

2x Mixed Anti-Tank Group

Light AA Artillery Battery (*20/3mm*)

Motorized Co

Engineer Co

Logistics Battery

Light Air Defense Artillery Regiment (KoV)

HQ

HQ Battery

Quartermaster Plt

2x Light AA Artillery Battery (*20/3mm*)

2x to 4x Light AA Artillery Battery (*30/2mm*)

AD Missile Battery (*Strela-2M*)

Logistics Battery

Light Air Defense Artillery/Missile Regiment (RV i PVO)

HQ

HQ Co

1x Battery (*8x or 12x 20/3mm*)

1x Battery (*6x 40mm Bofors, Giraffe-Radar*)

1x Battery (*Strela-1M*)

Self-propelled Medium Air Defense Missile Regiment

HQ

Fire Control Battery

5x Battery (*4x Kub-M / SA-6 Gainful*)

2x Separate Light AA Artillery Battery (*M-53/59 or M-53/70 V3S Praga*)

7x Detachment (*Strela-2M*)

Missile Technical Battery

Missile Technical Maintenance Co

Engineer Plt

Engineer Regiment

HQ

Quartermaster Plt

Signal Plt

Recce Plt

2x Pioneer Bn

1x or 2x Road-Bridge Bn

Fortification Co

Camouflage Co

Logistics Co

200. Air Base, Bihac-Zeljjava

HQ

HQ Co

Military Police Co

Infantry Co

Engineer Bn

Signal Co

NBC Defense Plt

Air Operations Center/Flight Control

Logistics Co

Transportation Co

Medical Plt

Fire-fighting Plt

Construction Co

Construction Section

Aircraft-Technical Bn

Object „Klek“ (*maintenance unit for underground facility*)

350. Air Defense Missile Regiment (*exemplary*)

Staff

Sector Operations Center

HQ Battery

Signal Co

Logistics Unit

- Supply Plt

- Technical Plt

- Medical Detachment

4x Missile Group

- Signal Plt

- Fire Control Battery

- Missile Battery (*4x S-125M Neva-M*)

- Light Air Defense Artillery Plt (*8x 20/3mm, ?x Strela-2M*)

Missile-Technical Group

- Signal Plt

- 2x Missile (Maintenance) Battery

- Light Air Defense Artillery Plt (*as above*)

- Technical Maintenance Detachment

51. Air Control Bn (*VOJIN*), Bihac-Zeljave

HQ

Administrative and Base Operating Co (*Object „Jasen“, underground facility*)

Signal Co

Technical Plt

Radar Co, Pljesevica Mtn / Crni vrh (*S-600*)

Radar Co, Zadar (*S-600*)

Radar Co, Kozara Mtn (*AN/TPS-70 and – temporary – S-600*)

Radar Plt (*AN/TPS-70*)

Radio Relais Center Petrova Gora Mtn

91. Air Control Bn (*VOJIN*), Vrhnika

Administrative Co

Radar Co, Ljubljanski vrh (*S-600*)

Radar Plt, Oljska gora (*S-600*)

Radar Plt, Savudrija (*S-600*)

Radio Relais Center, Strmica

Maintenance Section

63. Airborne Brigade, Nis (*peacetime orbat*)

HQ

4x Airborne Co

Signal Co

Airborne Recce Plt

Military Police Plt of Special Duty

Logistics Base

HQ

Quartermaster Plt

Signal Plt

Light Air Defense Artillery/Missile Plt

Veterinary Plt

Medical Co

Company for Preventive Medicine

NBC Defense Plt

Construction Detachment

Water Supply Co

Transportation Co

Supply Bn

Military Bakery

Maintenance (Overhaul) Bn

one or more Maintenance (Overhaul) Workshop(s)

several storage facilities (ammunition, fuel etc.)

NOTE: number of storage facilities differed widely

Annex VI: Equipment Holdings

NOTE: Most data provided by Tanknet's Bojan

MBT

- 80 M-84A
- 370 M-84
- ~88 T-72M/MK
- ~980 T-55A (number acquired, maybe some 750+ in service)
- ~150 to 250 T-34-85M/M1 (reserve)
- ~100 M-47 (reserve)

Light Tanks

- ~40 PT-76B

AIFV

- ~517 M-80A

APC, Recce

- ~60 BRDM-2
- ~20 BRDM-2A
- ~150 BTR-50PK/PU
- ~60 BTR-60PB/PU and TAB-71M
- ~600 M-60P
- ~72 to 150 M-86 BOV-VP

SPATGW

- 12 POLO M-80A LT
- ~80 POLO M-83
- ~75 9P133 BRDM-2 Sagger
- ~36 9P122 BRDM-2 Sagger (reserve)
- ~12 2P27 BRDM-1 Snapper (reserve)
- ~60 2P26 GAZ-69 Snapper (reserve)

SPAT Guns

- ~12 SO-100 M-44 (SU-100) (reserve)
- ~100 SO-90 (M-36 mod Jackson)
- ~100 SO-90 (M-36 mod Jackson) (reserve)
- ~70 SO-76 (M-18 Hellcat) (reserve)

SSM

16 Luna-M (Frog-7)

MRL

88 M63 Plamen (128mm)

51 M77 Oganj (128mm)

12 M87 Orkan (262mm)

SP Artillery

82 to 90 2S1 Gvozdika

Towed Artillery

40 25pdr Mk.2

~260 M56 (105mm)

105 M2A1 (105mm)

89 M38 (122mm)

20 D-30 (122mm)

303 D-30J/D-30J1 (122mm)

256 M46 (130mm)

25 D-20J (152mm)

92 M84 Nora-A (152mm)

12 M46/86 (152mm)

137 M1A1 (155mm)

95 M1 (155mm)

6 M65 (155mm)

Mortars

168 M69B-D (81mm)

1103 M69A (82mm)

283 M74 (120mm)

802 M75 (120mm)

AT Guns

35 M87/M91 Topaz (100mm)

ATGW

~250 9K111 Fagot (AT-4 Spigot)

~1200 9K11 Maljutka (AT-3 Sagger)

~10 BGM-71 TOW

~60 Dragon (reserve)

RCL

~20 M65 (105mm)

~1200 M60/M60A (82mm)

SP AA Guns

117 ZSU-57-2 (57/2mm)

727 M-53/59, M-53/70 (V3S Praga) (30/2mm)

~100 BOV-3 (20/3mm)

SP SAM

136 Strela 1M (SA-9B Gaskin)
12 Strela 10M (SA-13B Gopher)
120 Kub-M (SA-6 Gainful)

AA Guns

60 M71 (12,7/4mm, used for airbase defense, eventually replaced by M55A3/A4 20/3mm)
~100 M39 (37mm) (reserve)
128 Mk.1/Mk.12 (40mm)
260 M1 (40mm)
118 Bofors L/70 (40mm)
142 Bofors L/70 (40mm) / Giraffe-Radar
~150 S-60 (57mm) (reserve)

Aircraft

14 MiG-29A (ftr)
2 MiG-29UB (trg)

~105 MiG-21bis/PFM (ftr)
10 MiG-21R (recce)
6 MiG-21M (with US-made recce pods)
~18 MiG-21U/UM (trg)

~25 J-22 Orao (attack) (more being delivered)
~14 NJ-22 Orao (attack/trg)
~25 IJ-22 Orao (recce)
~9 INJ-22 Orao (recce)

60 J-21 Jastreb (attack)
38 IJ-21 Jastreb (recce)
12 NJ-21 Jastreb (trg)

68 G-4 Super-Galeb (trg, including ~8 target-towing)
70 G-2 Galeb (trg)

32 J-20 Kraguj (light attack)

4 CL-215 (fire-fighting)

6 An-2TD (tsp, parachute trg)
15 An-26 (tsp)
5 Yak-40 (VIP-tsp, calibration)
1 Yak-40 EI (electronic intelligence)
2 Falcon-50 (VIP-tsp)
2 Learjet-25D (VIP-tsp)
2 Do-28D (VIP-tsp)

~ 30 UTVA-75 (trg)
7 LASTA (trg)
some UTVA-66 (trg)

Helicopters

2 Alouette-III (VIP-tsp)

36 HN-42M Gazela GAMA (anti-tank)

32 HN-45M Gazela GAMA (anti-tank)

21 HI-42 Gazela HERA (recce)

4 HI-45 Gazela HERA (recce)

5 HS-45 Gazela (SAR)

53 HO-42/45 Gazela (tsp/liaison/trg)

76 Mi-8 (tsp, some armed)

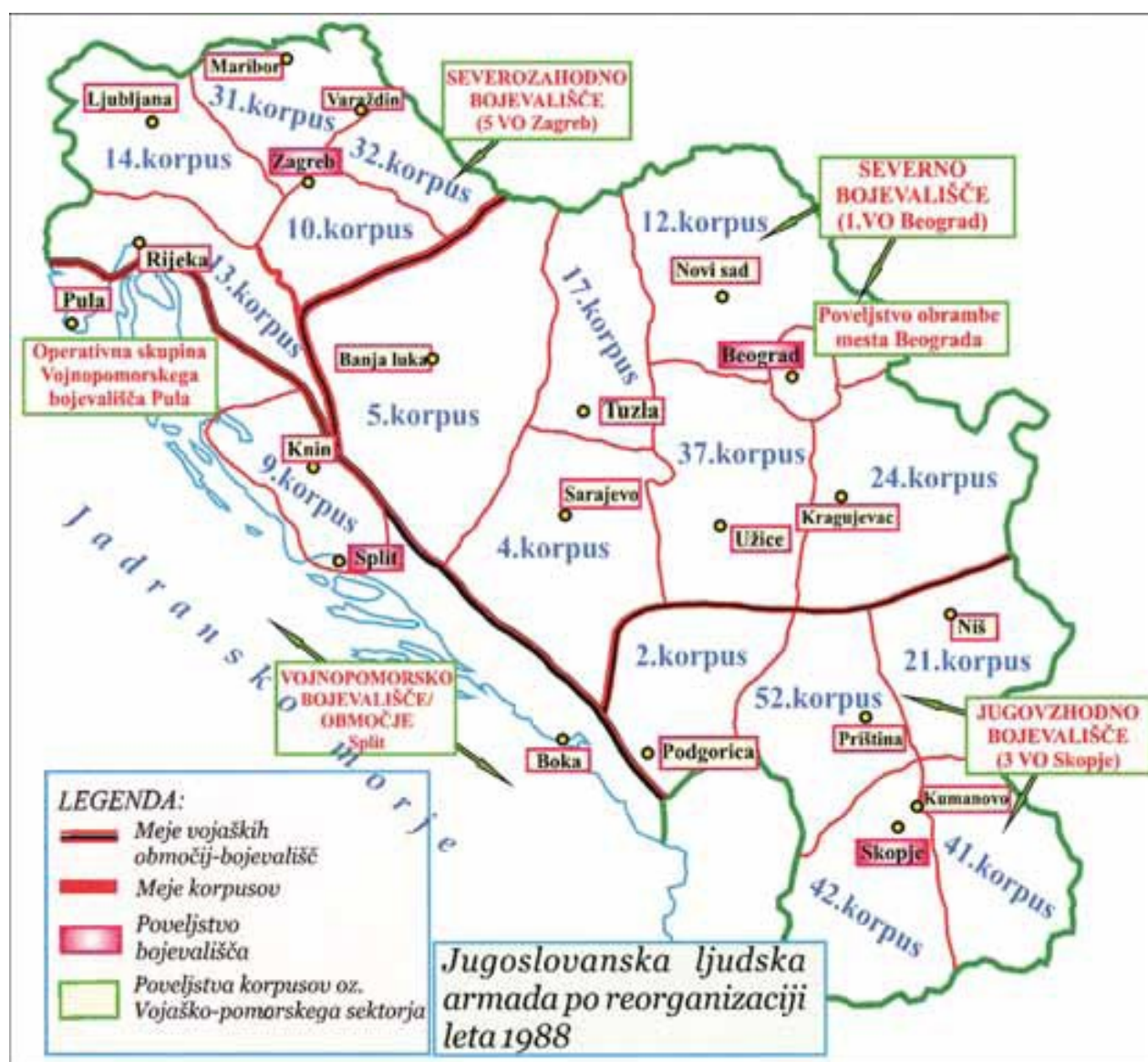
4 Mi-8 (HT-40 PED) (ECM)

3 Mi-14PL (ASW)

6 Ka-25 (ASW)

2 Ka-28 (ASW)

Annex VII: Map



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In addition, numerous military magazines, brochures and websites were utilized or at least screened, with results not worth to mention. Valuable information was gathered at internet forums like 63padobranska, MyCity or AvijacijaBezGranica and some illuminating facts and background informations were found at the website of the International Criminal Tribunal for the former Yugoslavia (ICTY).

The most valuable source was humint.

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