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| ***The Military Balance 2020 Military Balance +*** | ***IISS logo swish_text PMS281.jpg*** |
|  |  |
| **Country Questionnaire: Israel**  |  |

**We would be very grateful for your assistance in updating the information on your forces, as detailed below, or by adding any missing data.**

We also would appreciate any information on:

* Planned and ongoing defence reforms, structural changes, new doctrines, transformation plans and white papers
* Key equipment acquisition programmes
* New defence-related or military-cyber organisations, and military or national-security related cyber documentation
* Significant military exercises that have taken place during 2019, particularly those involving international cooperation, and exercises planned for the rest of 2019 and 2020.

ACTIVE 169,500 (Army 126,000 Navy 9,500 Air 34,000) Paramilitary 8,000

*Conscript liability* Officers 48 months, other ranks 32 months, women 24 months (Jews and Druze only; Christians, Circassians and Muslims may volunteer)

RESERVE 465,000 (Army 400,000 Navy 10,000 Air 55,000)

Annual trg as cbt reservists to age 40 (some specialists to age 54) for male other ranks, 38 (or marriage/pregnancy) for women

**ORGANISATIONS BY SERVICE**

Strategic Forces

Israel is widely believed to have a nuclear capability – delivery means include F-15I and F-16I ac, *Jericho* 2 IRBM and, reportedly, *Dolphin*/*Tanin*-class SSKs with LACM

**FORCES BY ROLE**

**SURFACE-TO-SURFACE MISSILE**

3 IRBM sqn with *Jericho* 2

**EQUIPMENT BY TYPE**

**SURFACE-TO-SURFACE MISSILE LAUNCHERS**

**IRBM** • **Nuclear**: ε24 *Jericho* 2

Strategic Defences

**FORCES BY ROLE**

**AIR DEFENCE**

3 bty with *Arrow* 2 ATBM with *Green Pine/Super Green Pine* radar and *Citrus Tree* command post

10 bty with *Iron Dome* (incl reserve bty)

6 bty with MIM-104C *Patriot* PAC-2

2 bty with *David’s Sling*

Space

**EQUIPMENT BY TYPE**

**SATELLITES** 9

**COMMUNICATIONS** 3 *Amos*

**ISR** 6: 1 EROS; 4 *Ofeq* (7, 9, 10 & 11); 1 TecSAR-1 (*Polaris*)

Army 26,000; 100,000 conscript (total 126,000)

Organisation and structure of formations may vary according to op situations. Equipment includes that required for reserve forces on mobilisation

**FORCES BY ROLE**

**COMMAND**

3 (regional comd) corps HQ

2 armd div HQ

5 (territorial) inf div HQ

1 (home defence) comd HQ

**SPECIAL FORCES**

3 SF bn

1 spec ops bde (4 spec ops unit)

**MANOEUVRE**

**Reconnaissance**

1 indep recce bn

**Armoured**

3 armd bde (1 armd recce coy, 3 armd bn, 1 AT coy, 1 cbt engr bn)

**Mechanised**

3 mech inf bde (3 mech inf bn, 1 cbt spt bn, 1 sigs coy)

1 mech inf bde (5 mech inf bn)

1 indep mech inf bn

**Light**

2 indep inf bn

**Air Manoeuvre**

1 para bde (3 para bn, 1 cbt spt bn, 1 sigs coy)

**Other**

1 armd trg bde (3 armd bn)

**COMBAT SUPPORT**

3 arty bde

3 engr bn

1 EOD coy

1 CBRN bn

1 int bde (3 int bn)

1 SIGINT unit

2 MP bn

Reserves 400,000+ on mobilisation

**FORCES BY ROLE**

**COMMAND**

3 armd div HQ

1 AB div HQ

**MANOEUVRE**

**Armoured**

9 armd bde

**Mechanised**

8 mech inf bde

**Light**

16 (territorial/regional) inf bde

**Air Manoeuvre**

4 para bde

**Mountain**

1 mtn inf bn

**COMBAT SUPPORT**

5 arty bde

**COMBAT SERVICE SUPPORT**

6 log unit

**EQUIPMENT BY TYPE**

**ARMOURED FIGHTING VEHICLES**

**MBT** 490: ε160 *Merkava* MkIII; ε330 *Merkava* MkIV (ε370 *Merkava* MkII; ε570 *Merkava* MkIII; ε180 *Merkava* MkIV all in store)

**RECCE** ε300 RBY-1 RAMTA

**APC** • **APC (T)** 1,300: ε200 *Namer*; ε200 *Achzarit* (modified T-55 chassis);500 M113A2; ε400 *Nagmachon* (*Centurion* chassis); *Nakpadon* (5,000 M113A1/A2 in store)

**AUV** 100 *Ze’ev*

**ENGINEERING & MAINTENANCE VEHICLES**

**AEV** D9R; *Namer*; *Puma*

**ARV** *Centurion* Mk2; *Eyal*; *Nemmera*; M88A1; M113 ARV

**VLB** *Alligator* MAB; M48/60; MTU

**NBC VEHICLES** ε8 TPz-1 *Fuchs* NBC

**ANTI-TANK/ANTI-INFRASTRUCTURE** • **MSL**

**SP** M113 with *Spike; Tamuz* (*Spike* NLOS)

**MANPATS** IMI MAPATS; *Spike* MR/LR/ER

**ARTILLERY** 530

**SP** 250: **155mm** 250 M109A5 (**155mm** 148 Soltam L-33; 30 M109A1; 50 M-50; **175mm** 36 M107; **203mm** 36 M110 all in store)

**TOWED** (**122mm** 5 D-30; **130mm** 100 M-46; **155mm** 171:40 M-46 mod; 50 M-68/M-71; 81 M-839P/M-845P all in store)

**MRL** 30: **227mm** 30 M270 MLRS; **306mm** IMI *Lynx*(**122mm** 58 BM-21 *Grad*; **160mm** 50 LAR-160; **227mm** 18 M270 MLRS; **240mm** 36 BM-24; **290mm** 20 LAR-290 all in store)

**MOR** 250: **81mm** 250 (**81mm** 1,100; **120mm** 650; **160mm** 18 Soltam M-66all in store)

**SURFACE-TO-SURFACE MISSILE LAUNCHERS**

**IRBM** • **Nuclear** ε24 *Jericho* 2

**SRBM** • **Dual-capable** (7 *Lance* in store)

**AIR DEFENCE** • **SAM** • **Point-defence** 20*Machbet*; FIM-92 *Stinger*

Navy 7,000; 2,500 conscript (total 9,500)

**EQUIPMENT BY TYPE**

**SUBMARINES** • **TACTICAL**

**SSK** 5:

3 *Dolphin* (GER HDW design) with 6 single 533mm TT with UGM-84C *Harpoon* AShM/DM2A3/4 HWT/*Kaved* HWT, 4 single 650mm TT

2 *Tanin* (GER HDW design with AIP) with 6 single 533mm TT with UGM-84C *Harpoon* AShM/DM2A3/4 HWT/*Kaved* HWT, 4 single 650mm TT

**PATROL AND COASTAL COMBATANTS** 45

**CORVETTES** • **FSGHM** 3:

2 *Eilat* (*Sa’ar* 5) with 2 quad lnchr with RGM-84 *Harpoon* AShM/*Gabriel* AShM, 1 32-cell VLS with *Barak*-1 SAM (being upgraded to *Barak*-8), 2 triple 324mm TT with Mk 46 LWT, 1 Mk 15 *Phalanx* CIWS (capacity 1 AS565SA *Panther* ASW hel)

1 *Eilat* (*Sa’ar* 5) with 2 quad lnchr with RGM-84 *Harpoon* AShM/*Gabriel* AShM, 1 32-cell VLS with *Barak*-8 SAM, 2 triple 324mm TT with Mk 46 LWT, 1 Mk 15 *Phalanx* CIWS (capacity 1 AS565SA *Panther* ASW hel)

**PCGM** 8 *Hetz* (*Sa’ar* 4.5) with 2 quad lnchr with RGM-84 *Harpoon* AShM (can also be fitted with up to 6 single lnchr with *Gabriel* II AShM), 2 8-cell Mk56 VLS with *Barak*-1 SAM, (can be fitted with 2 triple 324mm Mk32 TT with Mk46 LWT), 1Mk 15 *Phalanx* CWIS, 1 76mm gun

**PBF** 34: 5 *Shaldag* with 1 *Typhoon* CIWS; 3 *Stingray*; 9 *Super Dvora* Mk I (SSM & TT may be fitted); 4 *Super Dvora* Mk II (SSM & TT may be fitted); 6 *Super Dvora* Mk II-I (SSM & TT may be fitted); 4 *Super Dvora* Mk III (SSM & TT may be fitted); 3 *Super Dvora* Mk III with 1 *Typhoon* CIWS (SSM may be fitted)

**AMPHIBIOUS** • **LANDING** **CRAFT** • **LCVP** 2 *Manta*

**LOGISTICS AND SUPPORT** 3

**AG** 2 *Bat Yam* (ex-GER Type-745)

**AX** 1 *Queshet*

Naval Commandos ε300

**FORCES BY ROLE**

**SPECIAL FORCES**

1 cdo unit

Air Force 34,000

Responsible for Air and Space Coordination

**FORCES BY ROLE**

**FIGHTER & FIGHTER/GROUND ATTACK**

1 sqn with F-15A/B/D *Eagle*

1 sqn with F-15B/C/D *Eagle*

1 sqn with F-15I *Ra’am*

6 sqn with F-16C/D *Fighting Falcon*

4 sqn with F-16I *Sufa*

1 sqn with F-35I *Adir*

**ANTI-SUBMARINE WARFARE**

1 sqn with AS565SA *Panther* (missions flown by IAF but with non-rated aircrew)

**ELECTRONIC WARFARE**

2 sqn with RC-12D *Guardrail*; Beech A36 *Bonanza* (*Hofit*); Beech 200 *King Air*; Beech 200T *King Air*; Beech 200CT *King Air*

**AIRBORNE EARLY WARNING & CONTROL**

1 sqn with Gulfstream G550 *Eitam*; Gulfstream G550 *Shavit*

**TANKER/TRANSPORT**

1 sqn with C-130E/H *Hercules*; KC-130H *Hercules*

1 sqn with C-130J-30 *Hercules*

1 sqn with KC-707

**TRAINING**

1 OPFOR sqn with F-16C/D *Fighting Falcon*

1 sqn with M-34*6 Master* (*Lavi*)

**ATTACK HELICOPTER**

1 sqn with AH-64A *Apache*

1 sqn with AH-64D *Apache*

**TRANSPORT HELICOPTER**

2 sqn with CH-53D *Sea Stallion*

2 sqn with S-70A *Black Hawk*; UH-60A *Black Hawk*

1 medevac unit with CH-53D *Sea Stallion*

**UAV**

1 ISR sqn with *Hermes* 450

1 ISR sqn with *Heron* (*Shoval*); *Heron* TP (*Eitan*)

1 ISR sqn with *Heron* (*Shoval*) (MP role)

**AIR DEFENCE**

3 bty with *Arrow* 2

10 bty with *Iron Dome*

6 bty with MIM-104C *Patriot* PAC-2

2 bty with *David’s Sling*

**SPECIAL FORCES**

1 SF unit

1 spec ops unit

**EQUIPMENT BY TYPE**

**AIRCRAFT** 352 combat capable

**FTR** 58: 16 F-15A *Eagle*; 6 F-15B *Eagle*; 17 F-15C *Eagle*; 19 F-15D *Eagle*

**FGA** 264: 25 F-15I *Ra’am;* 78 F-16C *Fighting Falcon*; 49 F-16D *Fighting Falcon*; 98 F-16I *Sufa*; 14 F-35I *Adir*

**ISR** 6 RC-12D *Guardrail*

**ELINT** 4:1 EC-707; 3 Gulfstream G550 *Shavit*

**AEW** 4: 2 B-707 *Phalcon*; 2 Gulfstream G550 *Eitam* (1 more on order)

**TKR/TPT** 11: 4 KC-130H *Hercules*; 7 KC-707

**TPT** 62: **Medium** 15: 5 C-130E *Hercules*; 6 C-130H *Hercules*; 4 C-130J-30 *Hercules*; **Light** 47: 3 AT-802 *Air Tractor*; 9 Beech 200 *King Air*; 8 Beech 200T *King Air*; 5 Beech 200CT *King Air*; 22 Beech A36 *Bonanza* (*Hofit*)

**TRG** 67: 17 Grob G-120; 30 M-346 *Master* (*Lavi*)\*; 20 T-6A

**HELICOPTERS**

**ATK** 43: 26 AH-64A *Apache*; 17 AH-64D *Apache* (*Sarat*)

**ASW** 7 AS565SA *Panther* (missions flown by IAF but with non-rated aircrew)

**ISR** 12 OH-58B *Kiowa*

**TPT** 81: **Heavy** 26 CH-53D *Sea Stallion*; **Medium** 49: 39 S-70A *Black Hawk*; 10 UH-60A *Black Hawk*; **Light** 6 Bell 206 *Jet Ranger*

**UNMANNED AERIAL VEHICLES**

**ISR** 3+: **Heavy** 3+: *Heron* *(Shoval*); 3 *Heron* TP (*Eitan*); RQ-5A *Hunter*; **Medium** *Hermes* 450; *Hermes* 900 (22+ *Searcher* MkII in store); **Light** *Harpy* (anti-radiation UAV)

**AIR DEFENCE**

**SAM** 54+:

**Long-range** MIM-104C *Patriot* PAC-2; **Medium-range** 24 *Arrow* 2; some *David’s Sling;* **Short-range** ε30 *Iron Dome*

**GUNS** 920

**SP** 165: **20mm** 105 M163 *Machbet* *Vulcan*; **23mm** 60 ZSU-23-4

**TOWED** 755: **23mm** 150 ZU-23-2; **20mm/37mm** 455 M167 *Vulcan* towed 20mm*/*M-1939 towed37mm**/**TCM-20 towed20mm; **40mm** 150 L/70

**AIR-LAUNCHED MISSILES**

**AAM** • **IR** AIM-9*Sidewinder*;*Python*4; **IIR** *Python*5; **ARH** AIM-120C AMRAAM

**ASM** AGM-114 *Hellfire*; AGM-62B *Walleye*; AGM-65 *Maverick;* *Delilah* AL; *Popeye* I/*Popeye* II; *Spike* NLOS

**BOMBS**

**IIR guided** *Opher*

**Laser-guided** *Griffin*;*Lizard*; *Paveway* II

**INS/GPS guided** GBU-31 JDAM; GBU-39 Small Diameter Bomb (*Barad Had*); *Spice*

Airfield Defence 3,000 active (15,000 reservists)

Paramilitary ε8,000

Border Police ε8,000

UNTSO unless specified. UNTSO figures represent total numbers for mission.

**Argentina** 3 obs

**Australia** 12 obs

**Austria** 4 obs

**Belgium** 1 obs

**Bhutan** 4 obs • UNDOF 3

**Canada** 4 obs

**Chile** 3 obs

**China** 5 obs

**Czech Republic** UNDOF 3

**Denmark** 11 obs

**Estonia** 3 obs

**Fiji** 2 obs • UNDOF 290; 1 inf bn(-); elm 1 log bn

**Finland** 18 obs

**Ghana** UNDOF 12

**India** 2 obs • UNDOF 194; 1 log bn(-)

**Ireland** 13 obs • UNDOF 126; 1 inf coy

**Nepal** 4 obs • UNDOF 333; 2 mech inf coy

**Netherlands** 13 obs • UNDOF 2

**New Zealand** 7 obs

**Norway** 14 obs

**Russia** 5 obs

**Serbia** 1 obs

**Slovakia** 2 obs

**Slovenia** 3 obs

**Sweden** 6 obs

**Switzerland** 12 obs

**United States** 2 obs • US Strategic Command; 1 AN/TPY-2 X-band radar at Mount Keren

**Thank you for your assistance.**

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