

December 2014 Fleet Type Upgrade/Replace Catalog

Military Tech: V-22 Osprey aircraft equip w/ Griffin B [BGM-176B] forward-firing off-axis missile launch from rotary & fixed-wing aircraft

Flight Global: CH-47D Chinook helicopters equip w/ common missile warning systems, high/very-high/ultra-high frequency radios & transponders

Flight Global: F-16 aircraft equip w/ active electronically scanned array [AESA] APG-83 scaleable agile beam radar [SABR] replace APG-68

Defense News: F-16 aircraft equip w/ AGM-158 JASSM long-range, semi-autonomous guided, conventional, air-ground, precision standoff missile

Defense News: LCS upgrade w/ over-the-horizon missile, Hellfire missile launchers; Mark 38 25mm guns, Mark 50 30mm guns & torpedo CM system

USNI: LCS upgrade w/ 3D radar, over-the-horizon surface-surface anti-ship missile, multi-function towed array sonar & variable depth sonar

Defense News: LCS upgrade w/ vertical-launch missile systems [VLS], 76mm gun, SM-2 surface-to-air & Harpoon surface-to-surface missiles

Military Tech: LCS upgrade w/ TRS-3D [AN/SPS-75] radar for self-defence gunfire support & helicopter control, locate & track air & sea targets

Military Tech: Fast-attack & guided-missile submarines equip w/ Tomahawk missile composite capsule launch [C/CLS] & missile tube interface

Defcon: AV-8B Harrier aircraft equip w/ AN/ALQ-231 Intrepid Tiger II pod integrate EW Services Architect [EWSA] for anti-air & escort ops

Military Tech: Type 23 frigate equip w/ Seawolf Missile feature Command to line-of-sight [CLOS] guidance, radar & electro-optic tracking

Military Tech: Type 23 Frigates equip w/ Surface ship torpedo defence [SSTD] feature single in-line towed-array platform, passive tow detect

Defense News: Type 23 Frigates equip w/ Sea Ceptor local area air defence missile to counter sea-skimming missiles, helicopters & fast jets

Military Tech: Adaptive radar countermeasures [ARC] allows Electronic warfare [EW] systems to auto generate CM vs. emerging radar systems

Military Tech: Sonobuoy processing acoustics [SPAS] equip w/ sensors, receivers, UHF radio, audio recorders to track subs & surface ships

Military Tech: E-2C/D Hawkeye aircraft equip w/ AN/ASW-25B auto carrier landing system, AN/APN-171[V] radar altimeter & AN/ARC-158 UHF links

Military Tech: E-2C/D Hawkeye aircraft equip w/ APX-122 Mode 5/S interrogators, APX-123 transponders & ALQ-217 electronic support measures

Military Tech: E-2C/D Hawkeye aircraft equip w/ AN/ASN-50 heading & attitude reference system, AN/ARA-50 UHF automatic direction finder

Military Tech: E-2C/D Hawkeye aircraft equip w/ AN/UYQ-70 display system & AN/ASN-92 Carrier aircraft inertial navigation system [CAINS]

Military Tech: E-2C/D Hawkeye aircraft equip w/ AN/APA-171 antenna radome, AN/APS-145 radar for targets & total radiation aperture control

Military Tech E-2D Hawkeye aircraft equip w/ AN/APY-9 radar feature mechanic & electronic scan capable, glass tactical cockpit & ID system

Military Tech: Hydra-70 2.75in/70mm unguided air-to-ground rocket equip w/ Mk66 rocket motor mounted on helicopters for point-detonation

Defcon: S-70B helicopter equip w/ advanced sonar, 360 degree search radar, air-to-surface missiles, blade & tail fold, torpedoes for ASW

Defcon: ZSU-23-4 self-propelled, low-level air defence system equip w/ 23mm guns, search & track digital radar & electro-optic fire control

Military Tech: Landing Helicopter Deck [LHD] transport ship equip w/ 20mm & 12.7mm guns, anti-torpedo towed defence & active-missile decoys

Defcon: Landing Helicopter Deck [LHD] ships equip w/ MRH 90 Taipan, Black Hawk, Tiger & CH-47 Chinook helicopters for amphib assault capable

Defcon: EC645 T2 Light Utility Helicopter [LUH] equip w/ digital engine control [FADEC], fast rope, cargo hooks & electro-optical sensors

Defcon: SH-2G Super Seasprite helicopter design for ASW & ASuW ops, over-the-horizon target, surveillance, transport & vertical replenish

Defcon: Next Generation Jammer [NGJ] equip w/ active electronically scanned array [AESA] radar, open scalable receiver & self-powered pod

Defense News: Typhoon aircraft equip w/ active electronically scan array [AESA] radar for detect & track, air-air & electronic protect ops

Defense News: JY-26 Skywatch-U 3-D air surveillance radar equip w/ ultra-high freq [UHF] band & large power-aperture for anti-missile ops

November 2014 Fleet Type Upgrade/Replace Catalog

Military Tech: Typhoon Tranche 2/3 aircraft equip w/ Captor E-Scan Active electronic-scan array [AESA] radar for air-air & air-surface ops

Military Tech: A400M aircraft equip w/ J multi-spectral directed infrared countermeasures [J-MUSIC] DIRCM systems to track incoming MANPADS

Military Tech: S-97 helicopter equip w/ Hellfire missiles, 2.75in rockets, .50 caliber & 7.62mm guns & sensors for ISR, light attack mission

Military Tech: S-97 helicopter equip w/ fly-by-wire flight controls, active vibration control, hub drag reduce & split torque transmission

Military Tech: S-97 helicopter equip w/ twin rigid co-axial counter-rotate main rotors, auxiliary internal fuel tank & retract landing gear

Military .com: LCS equip w/ rigid inflatable boats, 30mm guns, MH-60R helicopters, MQ-8B Fire Scout aircraft, helicopter-like VTOL drone

Flight Global: TD-3 helicopter equip w/ IR suppressor, 20mm cannon in chin turret, rockets & missiles for air-to-air, air-to-surface mission

Flight Global: TD-3 helicopter equip w/ helmet-mounted sight, electronic warfare system & directional IR countermeasure/laser transmitter

USNI: Type 56 Corvettes equip w/ guided anti-ship & anti-air missiles, hull-mounted sonar, specialise in Anti-Submarine Warfare [ASW]

Defense News: FM-3000 medium-range air defence missile system equip w/ active homing, rotary phased-array radar vs jamming & saturation tech

Defense News: FM-3000 medium-range air defence missile system equip w/ vertical launcher, guidance radar to intercept precision-guided tech

Flight Global: C-17A Globemaster III airlifters equip w/ F117-PW-100 engines & AN/AAQ-24V Large Aircraft Infrared Countermeasures [LAIRCM]

Military Tech: F-16 aircraft equip w/ passive image sensor AAR-60[V]2 missile launch detection system [MILDS F] indicates arrival direction

Defense News: PL-9C surface-to-air short-range missile system equip w/ AF902 fire control system, 35mm anti-aircraft guns & missile launcher

Defcon: 505 Jet Ranger X helicopter equip w/ G1000H Integrated Avionics Suite, Digital Engine Control [FADEC] & high inertia rotor system

Military Tech: AS565 Panther helicopter equip w/ dipping helicopter long-range active sonar [HELRAS] & torpedo launch system for ASW mission

USNI: AV-8B Harrier jets equip w/ Tactical Target Network Tech high-speed data-link, AIM-120C/D AMRAAM & AIM-9X Block II air-to-air missiles

USNI: AV-8B Harrier jets equip w/ fourth gen Litening pod, self-designate AGM-65E missiles & GBU-54 Laser Joint Direct Attack Munitions

USNI: AV-8B Harrier jets equip w/ ALE-47 V2 countermeasure dispenser, ALR-67 radar warning receiver & ALQ-164 electronic countermeasure pods

Military Tech: DDG-51 Destroyer equip w/ vertical launch, SH-60 helicopters, anti-air missiles & Tomahawk anti-ship, land-attack missiles

Military Tech: Charles de Gaulle [R91] carrier equip w/ Scanter 6000 X-band 2D solid-state radar for small target detect & helicopter guide

Military Tech: Mistral amphib helicopter carrier equip w/ MRR-3D surveillance radar, 30mm naval guns, 12.7mm machine guns & missile launch

October 2014 Fleet Type Upgrade/Replace Catalog

Military Tech: Talon remote-rocket weapon system [RRWS] sensor w/ LAU-68 launch uses digital semi-active laser tech for 2.75in/70mm rockets

Defcon: LCS equip w/ TRS-4D Active Electronically Scanned Array [AESA] radar to detect smaller targets for increased ship reaction time

Defcon: Giraffe radars equip w/ Auto air & surface detect & track-on-jam, 360 degree incoming rocket alert & surface-air missile Target ID

Military Tech: MdCN missile delivered from FREMM ships via compact A70 vertical launch & torpedo tube launch on Barracuda attack submarines

Flight Global: Super Heron UAV equip w/ ELM-2022ES Active electronic scanned array [AESA] radar & ELM-2022ML mechanical antenna array radar

IHS4: Sentinel R.1 Airborne Stand-Off Radar [ASOR] aircraft equip w/ DB-110 dual-band synthetic aperture radar for surface ship & sub detect

Navy: DDG1000 Destroyer equip w/ Peripheral Vertical Launch [PVLS] for missile systems: Evolved Sea Sparrow [ESSM], Standard [SM] & Tomahawk

Flight Global: Do-228 maritime surveillance & patrol aircraft [MSA] equip w/ Forward-looking IR [FLIR] & Electronic support measures [ESM]

Defence Talk: Sea Ranger CWSP [Compact System Package] configured for SIMBAD-RC automated turrets, Brimstone & Marte Mk2/N anti-ship system

Defense News: Typhoon aircraft equip w/ Brimstone 2 ground attack missile, Paveway IV precision guided munitions & Litening III targeting pod

Military Tech: F/A-18, F-16 jets equip w/ forward-firing, precision-guided, close-air support Maverick missiles for land & sea targets

Military Tech: Patriot PAC-3 missiles equip w/ AN/MPQ-65 radar, AN/MSQ-132 engage control, M902 launch & MIM-104E guidance enhanced missile

Military Tech: F/A-18A/B fighter jet equip w/ AGM-158 joint air-to-surface standoff missile [JASSM] feature IR seeker & dual-mode penetrator

HeliHub: AH-64E Apache helicopters equip w/ M-TADS/PNVS electro-optical fire control, T700-GE-701D engines, rotor blade tech & electronics

Defcon: Cayuse Warrior 530F helicopter equip w/ M3P.50 calibre gun pod, Extended Range Weapons Wing [ER2W] & Kinetic ballistic armour panels

IHS4: Rafale M carrier-borne fighter aircraft equip w/ RBE2 AESA radar, recon/target pods, AM39 anti-ship missile & SCALP EG cruise missile

Defcon: FGM-148 Javelin portable guided missile fired from shoulder or vehicle-mount lightweight launcher for anti-tank, anti-helicopter ops

Military Tech: P-3B aircraft equip w/ T56-A-14 engines, infrared & long-range electro-optical cameras & imaging radar for ISR, sub detect

Military Tech: F/A-18, F-35 jets equip w/ AIM-132 high-speed, heat-seeking, infrared seeker advanced short-range air-to-air missile [ASRAAM]

Military Tech: Type 23 Duke ship equip w/ radar target tech, 3D radar for air defence, anti-ship ops & DNA[2] command system, 4.5 inch gun

Defcon: Learjet aircraft pods equip w/ jammer systems based on Digital Radio Frequency Memory [DRFM] to simulate radar-guided missile attack

September 2014 Fleet Type Upgrade/Replace Catalog

Military Tech: UH-60M Black Hawk helicopter equip w/ common IR countermeasures [CIRCM] guard vs. man-portable air-defence systems [MANPADS]

Defense News: F-22 Raptor aircraft equip w/ AIM-120 medium-range, air-to-air missiles, GBU-32 JDAM, internal 20mm gun & AIM-9 Sidewinders

Flight Global: ICH-47F Chinook helicopter equip w/ ballistic protection & engine infrared suppressors, lateral 7.62mm & rear 12.7mm gun

Flight Global: ICH-47F Chinook helicopter equip w/ MX-15HDi electro-optical/infrared sensor, laser warning systems, chaff & flare dispensers

IHS4: MH-47G Chinook helicopter equip w/ aerial refuelling system, digital advanced flight control [DAFC] & electronic warfare capabilities

IHS4: 3D mobile air defence radar [MADR] systems on 6x6 mobile platforms replace P-37 [1RL139] 'Bar Lock' 2D air defence radar systems

Military Tech: F-16 aircraft equip w/ AN/ALQ-211[V]9 self-contained integrated electronic countermeasures & radar warning receiver system

Military Tech: Astute subs equip w/ weapon handling system [WHS] w/ air turbine pump [ATP] & programmable firing valve [PFV] launch system

Military Tech: Victoria subs equip w/ Mk-48 Mod 7 Advanced Technology [AT] torpedo conversion kits & common broadband sonar system [CBASS]

IHS4: S-300VM air defence system equip w/ missiles for medium-range ballistic missile intercept & aircraft w/ low radar cross sections

Military Tech: Anzac frigates equip w/ SMART-S Mk2 medium-to-long range radar support Evolved Sea Sparrow missile & vertical launch MICA

IHS4: Badger Infantry Fighting Vehicle [IFV] equip w/ LCT30 turret, GI-30 30mm dual-feed stabilised cannon & 7.62mm coaxial machine gun [MG]

Defcon: AH-64D/E Apache helicopter equip w/ M260/261 launch Talon Rockets, bridges unguided rockets & guided, heavy anti-tank missile gap

IHS4: Mi-8AMTSh helicopters equip w/ B8V20A rocket pods, S-8 80mm unguided rockets, nose-mount thimble radome & chin-mount [EO/IR] turret

IHS4: Mi-8AMTSh helicopters equip w/ 9M343/9M39 air-to-air missiles, 9M114/9M114M Shturm-V 'Spiral' air-to-surface missiles & 23mm gun pods

Flight Global: Typhoon aircraft equip w/ Active electronic scanned array radar [AESA], Storm Shadow cruise missile & Brimstone 2 munitions

Military News: Scout SV digitised armoured vehicle equip w/ 40mm cannon for Protected Mobility Recon Support [PMRS], command & control

Military Tech: UH-60M Black Hawk helicopter equip w/ common IR countermeasures [CIRCM] guard vs. man-portable air-defence systems [MANPADS]

Defence Talk: B767-300ER multi mission tanker/transport [MMTT] aircraft, equip w/ Fly-by-Wire [FBW] boom for air-refuel, lift troop & cargo

IHS4: CH-4 [Rainbow 4] unmanned combat aerial vehicle [UCAV] does recon & equip w/ AR-1 laser-guided missiles & FT-5 small-guided munitions

Military Tech: A400M transport aircraft replace C1/C3 [C-130K] Hercules for troop transport, aerial refuelling & electronic surveillance

Flight Global: AH-6I helicopter derived from AH-6 Little Bird include AH-64E Apache tech for close air support on tanks, armoured vehicles

Military Tech: SSK Scorpene attack sub equip w/ hull-mount medium-frequency active/passive sonar & AR-900 support & direction system [ESM/DF]

Military Tech: SSK Scorpene attack sub equip w/ dual-purpose, wire-guided, acoustic head Black Shark torpedoes & SM-39 anti-ship missiles

August 2014 Fleet Type Upgrade/Replace Catalog

Helihub: AH-64E Apache helicopter equip w/ TALON Laser-guided Rocket [LGR] integrate to front of legacy 2.75-inch Hydra-70 unguided rockets

Military Tech: F/A-18E/F Super Hornets & F/A-18C/D Hornets equip w/ ALQ-214[V]4/5 onboard jammer in electronic countermeasure [IDECM] suite

USNI: F-15SG aircraft equip w/ GBU-10/12 Paveway II LGB & GBU-31/38/54 Joint Direct Attack Munitions [JDAM] & AGM-154 Joint Stand-Off Weapon

USNI: F-15SG equip w/ AN/APG-63[v]3 Active Electronically Scanned Radar, AIM-9X Sidewinder & AIM-120C Advanced Medium Range Air-Air Missile

Military Tech: C-17 & CP-140 aircraft equip w/ AN/AAQ-24[V] LAIRCM protect transport & rotary-wing aircraft from IR-guided missile threats

Defence Talk: Rolling Airframe Missile system [RAM] equip w/ auto dual-mode, passive radio freq & IR guide for missile & helicopter threats

Military Tech: 3D expeditionary long-range radar [3DELRR] replace AN/TPS-75 passive electronically scan array for aircraft & missile track

DID: CP-140 Aurora maritime surveillance aircraft equip w/ AN/UPX-505 IFFI, Seaspray 7300 radar & FLIR Safire day/night surveillance turret

DID: CP-140 Aurora maritime surveillance aircraft equip w/ electro-optical & infrared sensors, STAP target detect, locate & jamming suppress

Military Tech: Cobra King mobile maritime radar equip w/ S & X-band phased radars for high-quality, high-resolution & multi-wavelength info

Military Tech: Advanced anti-radiation guided missiles [AARGM] install on F-35 Lightning, EA-6B Prowler FA-18 Hornets --replace AGM-88 HARM

USNI: MiG-31 Foxhound aircraft equip w/ N007 Zaslon phased-array radar, Vympel R-33 long-range air-to-air missile & R-77, R-37 missiles

Defence Aviation: Sukhoi PAK-FA aircraft equip w/IRST, Active electronic-scanned arrays [AESA], L-band radars, 30mm cannons & R-74 missiles

Military Tech: P-8A Poseidon aircraft equip w/ AN/APY-10 synthetic aperture radar [SAR] & MX-20HD electro-optical & infrared sensor turrets

IHS4: 22160 patrol equip w/ Ka-27PS helicopter, 57 mm A-220M gun, 3M47 launch surface-air missile & Sizzler, Switchblade anti-ship missile

IHS4: Type 23 frigates equip w/ Harpoon heavyweight surface-surface-guided [SSG] missile w/ inertial guidance & active radar homing for ASuW

Military Tech: Queen Elizabeth Carrier equip w/ air wing, AW101 Merlin HM2 multi-role rotorcraft & Merlin HC4 amphibious support helicopters

Military News: M2 Bradley fighting vehicle equip w/ 25mm M242 Chain Gun, TOW anti-tank missiles, 7.62mm M240C machine gun. & new suspension

Military Tech: AN/AAR-57 CMWS protect rotary-wing, transport & tactical aircraft against IR, surface-to-air & air-to-air missile threats

Military Tech: F-22P Sword Frigate equip w/ type 730B 30mm CIWS 347G radar, RDC-32 anti-sub rockets, ET-52C torpedo tubes & depth charges

Military Tech: F-22P Sword Frigate equip w/ 76.2mm main gun, C-802/CSS-N-8 sub-sonic anti-ship missiles & FM-90 surface-to-air missile [SAM]

Military Tech: Jamaran-class Guided Missile Frigate equip w/ 324mm light torpedoes, Mowj 20mm & 40mm auto cannon & 76mm Fajr-27 main gun

IHS4: Z-18F ASW helicopter equip w/ dipping sonar, WZ-6 engine, sonobuoys, Yu-7 lightweight torpedoes & chin-mount surface search radar

Military Tech: Kamorta stealth corvette equip w/ heavyweight torpedoes, ASW rockets, medium-range gun, IRSS & two multi-barrel gun CIWS

Military Tech: Kamorta stealth corvette equip w/ bow-mounted sonar, air-surveillance radar, short-range surface-air missiles [SAM] & ATDS

SDI: Akash missile equip w/ multi-function phase array radar guide for UAVs, fighter aircraft, cruise & helicopter-launch ballistic missiles

IHS4: Klewang-class stealth patrol ships equip w/ RBS15 Mk3 active radar homing surface-surface missiles & Sea Giraffe 1X 3D compact radar

July 2014 Fleet Type Upgrade/Replace Catalog

Military Tech: AN/AAR-57 CMWS on Chinook, Apache, Merlin & Wildcat helicopters defends against IR, surface-air and air-air missile threats

IHS4: Eurofighter Typhoon aircraft equip w/ Euroradar Captor electronically scanned [E-Scan] radar & T/R M [transmit/receive module] tech

Flight Global: MC-27J gunship aircraft equip w/ side-mounted GAU-23 30mm cannon & L-3 MX-15Di electro-optical sensor on nose-mounted turret

Defence Talk: Gripen aircraft equip w/ Raven Active Electronic Scanned Array [AESA radar] & Skyward-G IRST [Infrared Search & Track] sensor

IHS4: Brimstone Selected Precision Effects At Range [SPEAR] Block 1 air-to-surface missile install on Typhoon, Tornado & Apache aircraft

HeliHub: Future Vertical Lift [FVL] utility & attack rotorcraft equip w/ counter-rotating coaxial main rotors & fly-by-wire system

Flight Global: F-16 & Tornado aircraft equip w/ long-range SAR radar integrated into DB-110 electro-optical & infrared [EO/IR] sensors

Military Tech: Long Range Surveillance & Attack Vehicle [LRSAV] equip w/ WLP-1000 weapons launcher positioner for Hellfire & DAGR missiles

USNI: D-63 guided missile destroyer equip w/ EL/M-2248 3-D air search radar, Surface-to-air missiles [SAM] & PJ-10 anti-ship cruise missile

Military Tech: Gripen aircraft equip w/ active radar-guided Meteor beyond visual-range air-to-air missile [BVRAAM] for small UAV, missiles

Military Tech: FFG guided-missile frigate equip w/ anti-aircraft missile, Harpoon anti-ship missile, 76mm gun & 20mm anti-missile Phalanx CIWS

Diplomat: Type 214 diesel-electric air-independent propulsion [AIP] sub equip w/ supersonic, stealth precision-guided ship-surface missile

Military Tech: LHD equip w/ 20mm automated guns, 12.7mm machine guns, anti-torpedo towed defence system & active-missile decoy system

IHS4: Lynx helicopters equip w/ Future Anti-Surface Guided Weapons [FASGW] missiles & MX-15Di electro-optical/infrared [EO/IR] nose turret

Military Tech: E-2D Advanced Hawkeye aircraft used on aircraft carriers equip w/ AN/APY-9 solid-state, electronically-steered UHF radars

Defense Tech: DDG-70 Destroyer detect missile target w/ Aegis Weapon System & X-band AN/SPY-1 radar integrate w/ GMD fire-control system

Defense News: JF-17 aircraft equip w/ NRIET KLJ-7 radar support SD-10 beyond-visual-range air-air missile & short-range air-air PL-5E II

USNI: Project 855 nuclear-powered attack submarines equip w/ SS-N-26 & SS-N-27 cruise missiles, 533mm torpedoes & spherical bow sonar array

IHS4: 056 corvettes equip w/ FL-3000N short-range surface-air missiles, C-802 surface-surface missiles, 76mm AK-176 main gun & 30mm cannons

Defence Talk: Apache AH-64D helicopter acquire target for Long Range Surveillance & Attack Vehicle [LRSAV] equip w/ HELLFIRE & DAGR missiles

Military Tech: Akash missile equip w/ launcher, fire control radar for anti- UAV, fighter aircraft & helicopter cruise & ballistic missiles

Military Tech: Leopard 2 Main battle tanks [MBT] equip w/ 2D IR CMOS Array [ATTICA] thermal imager for auto target track & laser rangefinder

IHS4: KC-130J Hercules equip w/ HAWK mission package & AGM-114P Hellfire laser guide & Griffin A air-to-surface missiles, Mk 44 30 mm cannon

Defense News: Scorpion aircraft equip w/ Griffin Missile, Paveway4, Joint direct attack munition [JDAM] & Direct Attack Guided Rocket [DAGR]

Military Tech: Long-range surveillance & attack vehicle [LRSAV] equip w/ turret Hellfire II & Direct attack guided rocket [DAGR] missiles

Military Tech: Phalanx Block 1B CIWS equip w/ Forward-looking infrared sensor [FLIR] against helicopters & high-speed surface vessels

Defense News: AC-295 gunship equip w/ fire control systems, radar sensors, Hellfire missiles, side-mount M230 30mm gun & 2.75-inch rockets

Defence Talk: Tube-launched, optic-tracked, wireless [TOW] system is long-range, precision anti-armour & anti-amphibious landing module

Defence Talk: Patroller UAV optronics multi-sensors suite based on Euroflir 410 turret fit w/ high resolution spooter & infrared camera

Military Tech: RPS-42 based on MHR S-Band pulse-doppler AESA radar for anti-UAV & short-range rockets, artillery & mortars [RAM] missions

Defense News: AW159 Wildcat helicopter equip w/ Lightweight Multirole Missile [LMM], 5-barrel launcher & laser beam riding guidance system

Defense News: BrightArrow protect mount [APS] equip w/ stabilised, single pedestal auto 7.62mm gun & electro-optical jamming countermeasures

Diplomat: Type 032 sub vertical launcher equip w/ JL-2 ballistic missile [SLBM], CJ-20A anti-ship cruise missile & YJ-18 anti-ship missile

IHS4: F-16 aircraft equip w/ AN/APG-68 (V) fire control radar, AN/ALQ-213 Electronics, ALR-69 Class IV Radar Detect & ALE-47 Countermeasures

Defence Talk: Green Rock mobile auto tactical counter Rocket, Artillery & Mortar [C-RAM] system equip w/ Phased-Array Pulse Doppler Radar

Defence Talk: Adaptive Phase Coherent Fiber Laser Array system equip w/ phase lock & array output beam used to disable incoming missiles

USNI: Flight III DDG-51 Destroyer Integrate Fire Control-Counter Air [NIFC-CA] capable, Air & Missile Defense Radar [AMDR] replace SPY-1D

IHS4: F-16 Fighting Falcon aircraft equip w/ AASM Hammer SBU-38 precision guided [PGM], SBU-54 & SBU-64 guidance kit fit to 250kg munitions

Defense Tech: MQ-8B Fire Scout UAS equip w/ laser-guided 2.75 inch APKWS folding-fin rockets, Cobra sensors & Electro-optical IR visuals

IHS4: Tomo-class corvettes equip w/ 76/62 Super Rapid gun, 30 mm guns, 324 mm triple-tube torpedo launch & MM 40, VL Mica point missiles

Military Tech: Mistral carriers equip w/ MRR-3D NG surveillance radar, 30mm naval guns & 12.7mm machine guns & air-defence missile launcher

Military Tech: Anzac frigates equip w/ MK41 vertical launch for Sea Sparrow surface-air missiles, MK46 anti-sub & Harpoon anti-ship missiles

ISH4: Wildcat HMA2 helicopter equip w/ SeaVenom missiles, active laser guide, L-3 MX-15Di EO/IR nose turret for laser beam-riding guidance

Flight Global: Advanced Precision Kill Weapon System [APKWS] precision-guided rocket on UH-1Y Venom, AH-1W Cobra & AH-64 Apache helicopters

IHS4: KCR-40 patrol craft equip w/ C-705 surface-surface missiles, 20 mm G12 main gun, 12.7 mm machine guns & AK-630 close in weapon system

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Flight Global: F-16IQ Block 52 aircraft equip w/ DB-110 recon pods, precision-guided Paveway munitions & AIM-7 Sparrow radar-guided missiles

Flight Global: F-16IQ Block 52 aircraft equip w/ AIM-9L/M heat-seeking air-air missiles, AGM-65 Maverick missiles & AAQ-33 Sniper target pod

Military Tech: F-16 C/D Block 52 aircraft upgrades feature improved cockpit avionics, BVR radars, AIM-7 & AIM-120 air-to-air missiles

USNI: F-35 Joint Strike Fighter Block 2B equip w/ AIM-120 advanced medium range air-to-air missiles [AMRAAM], GBU-12 & GBU-32 munitions

HeliHub: MX-Series EO/IR Surveillance & Targeting Systems equip w/ MX-15, MX-20D, MX-25D targeting technologies & Shortwave IR [SWIR] imager

Defcon: AW101 helicopters equip w/ Star SAFIRE 380-HDc configuration variants of infrared [IR] & short wave infrared [SWIR] sensors & GeoLock

Flight Global: UH-60 Black Hawk, Tiger & AW159 helicopters equip w/ Spike air-to-air missile variants include ER, LR & NLOS laser guidance

Military Tech: AN/AAR-57 Common-missile warning system [CMWS] compatible w/ laser directional infrared countermeasures [DIRCM] technology

IHS4: AASM Hammer SBU-38 precision guided munition [PGM] versions include inertial SBU-38, inertial/laser SBU-54, inertial/infrared SBU-64

DID: Halifax Frigates upgrade radar-guided MK15 Phalanx 20mm gatling guns to Block IB standard & 57mm rapid-fire naval gun upgraded to Mk3

DID: Halifax Frigates equip w/ SPG-503 fire control, SPS-49v5 long-range air & HC150 Sea Giraffe medium-range air & surface search radar

Military Tech: DDS-03 high-frequency active sonar detection & surveillance of SDV, ROV or UUV manned & unmanned underwater vehicles

IHS4: SH-2G[I] Super Seasprite helicopter equip w/ Penguin Mk 2 Mod 7 anti-ship missiles replace AGM-65D Maverick air-to-surface missiles

Defence Talk: Eurofighter Typhoon Aircraft equip w/ Meteor Beyond Visual Range Air-to-Air Missile [BVRAAM] & Multifunction Distribute [MIDS]

Defense News: T-129 helo equip w/ close-air-support rockets, Mizrak anti-tank missiles, Cirit laser-guided missiles & electric armaments

Flight Global: Tiger rotorcraft equip w/ Guided intelligent light armament [GILA] semi-active laser-equipped rocket 70mm-diameter rounds

Defcon: LISA Hand-Held Target Acquisition System is monocular thermal imager w/ range measure, uncooled thermal imager & magnetic compass

Military Tech: Camcopter S-100 UAS equip w/ synthetic aperture radar [SAR], ground penetrating radar [GPSAR], SIGINT & COMINT relays

USNI: MQ-8C Fire Scout aircraft equip w/ RDR-1700B radar for surface search, inverse & synthetic aperture radar modes & forward-fire LAU-153

IHS4: Gripen C/D fighter aircraft upgrades include integration of air-to-ground capability, external recon pods & communications suites

Military Tech: AIM 9X-2 Sidewinder [aka AIM-9X BlockII] upgraded version of AIM-9X BlockI is infrared-guided missile w/ lock-on-after-launch

Military Tech: F-16A/B aircraft equip w/ AIM-7M Sparrow, AIM-9M & P4 Sidewinder, AGM-65 Maverick missiles & AN/APG-66[V]3 fire control radar

DID: ANZAC-class frigates equip w/ CEAFA S-band active phased array radar & X-band CEAMOUNT Solid State Continuous Wave Illuminator

Military Tech: AH-1S Cobra attack helicopters equip w/ AAR-47 missile warning system, HFI & AN/ALE-47 countermeasure dispenser system [CMD5]

Defense News: APKWS laser-guided rockets on AH-64 & F-16 fills gap between unguided small-diameter & larger-diameter anti-armor munitions

IHS4: Project 636 Kilo diesel-electric submarine [SSK] equip w/ 533 mm tubes launch TEST-71 anti-surface & anti-sub heavyweight torpedoes

Military Tech: Hummingbird vertical take-off & landing [VTOL] UAS equip w/ external multi-rotors fixed on electric central ducted fan

Military Tech: Phalanx 1B CIWS equip w/ rapid-fire radar, 20mm Gatling gun system & side-mounted forward looking infra-red camera [FLIR]

Military Tech: Stalker long-range electro-optical infrared laser sensor system [SLREOSS] equip w/ direct mount [DM] & independent mount [IM]

Military Tech: Hatf III short-range ballistic missile [SBRM] variant of M-11 equip w/ single stage solid-fuel rocket motor & terminal guide

IHS4: Type 903 replenishment ship equip w/ Type 76F twin 37 mm guns & Z-8 variant multi-role medium helicopter

DID: RQ-1 Predator XP UAV replaces Multi-Spectral Targeting System turrets w/ FLIR Systems Star SAFIRE 380-HD & Lynx ground-looking radar

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Military Tech: Nimitz-class carriers equip w/ GMLS Mk29 eight-cell launchers for Sea Sparrow surface-air missiles & F-35 catapults modify

Defcon: Type 23 Frigates equip w/ Sea Ceptor Future Local Area Air Defence System [FLAADS] & Common Anti-Air Modular Missile [CAMM]

Flight Global: Chinook F-model helicopter equip w/ Digital advanced flight control cockpit system [DAFCS] to hover over specific coordinates

Defence Talk: Virginia-class subs equip w/ Mark 48 advanced capable torpedoes, Tomahawk land-attack missiles & unmanned underwater vehicles

Military Tech: Tomahawk cruise missile modified w/ new modular multi-mode processor passive antennas detect radio frequency-emitting targets

Military News: RQ-4 Global Hawk UAV equip w/ Maritime Inverse Synthetic Aperture Radar [MISAR] & Multi-Platform Radar Tech Insertion for ISR

Military Tech: High-energy weapons-grade fibre laser integrate w/ Truck-mounted laser mobile demonstrator [HEL MD] combined into single beam

Military Tech: Mistral-class assault amphib equip w/ MRR-3D NG radar, 30mm naval guns, 12.7mm machine guns, Ka-52K & Ka-29/31 helicopters

Military Tech: Spearhead-class Joint high-speed vessel [JHSV] equip w/ MTU 20V8000 M71L diesel engines driving WLD 1400 SR waterjets

Military Tech: Vessel Traffic Management System [VTMS] equip w/ X & S band radar for detect & track & Auto ID [AIS] w/ CCTV & VHF radios

Defcon: Naval Integrated Fire Control- Counter Air [NIFC-CA] system uses Standard Missile 6 & airborne sensor to track cruise missiles

Military Tech: Future Anti-Surface Guided Heavy Weapon FASGW[H] anti-ship missile on AW159 Lynx Wildcat helicopter replace Sea Skua & AS15TT

DoD Buzz: DDG 1000 destroyer equip w/ dual-band medium-frequency sonar tech detect ships & subs, 155mm long-range Land Attack Projectile

HeliHub: UH-72A Lakota aircraft equip w/ MX-15i turrets for thermal image field view, laser illuminator, auto-tracker& searchlight interface

Defcon: EA-18G Growler aircraft equip w/ ALQ-218 wideband receiver & ALQ-99 Tactical Jamming System for radar-guided surface-air threat

Military Tech: Super Lynx MK100 helicopter equip w/ Gem 42-1 turboshaft engines, depth charges Mark 44, Mark 46, A244S & Stingray torpedoes

Military Tech: Super Lynx MK100 helicopter equip w/ Guardian 2500 electronic-support measures, Seaspray 3600 surveillance radar & turret

Military Tech: P-3C anti-sub aircraft equip w/ AN/ARR-78[V] sonobuoy receiving system, AQA-7 direct-acoustic freq & AQH-4[V] sonar recorder

Military Tech: Eclipse system for AN/SQS-510 medium-frequency hull-mounted sonar used on frigates & destroyers to detect subs & torpedoes

SDI: X-47B UCAS equip w/ electro optics [EO], synthetic aperture radar [SAR], target indicator [GMTI] & electronic support measures [ESM]

Defense Tech: Ohio Replacement ballistic missile submarine [SSBN] equip w/ Trident II D5 missile system upgraded Mk-4 & Mk-5 re-entry body

Military Tech: AGM-158B auto Joint Air-to-Surface Standoff Missile Extended Range [JASSM-ER] equip w/ IR seeker for fixed & mobile targets

Military Tech: MdCN missile used w/ compact A70 vertical launch on FREEM frigate & torpedo tubes on Barracuda attack subs for deep strike

Military. com: DDG-1000 destroyer equip w/ Tomahawk& Evolved Sea Sparrow Missiles, 155mm advanced gun& AN/SPY-3 X-band multi-function radar

Pop Mech: B-1 Lancer equip w/ Joint Direct Attack Munitions [JDAM], Joint Air-Surface Standoff Missiles [JASSM], Advance Target Pod& BLU-109

Military News: CH-47 Chinook, C-130 Hercules & V-22 Osprey aircraft move Phantom Badger tactical light vehicle equip w/ modular rear section

Defcon: MH-60 Seahawk aircraft APKWS converts 2.75-inch Hydra rocket into smart munition w/ semi-active laser guidance & control mid-section

Defcon: F-35B aircraft provide close-air support w/ Advanced Medium Range Air-to-Air Missile [AMRAAM] & Joint Direct Attack Munition [JDAM]

Defence Talk: Autonomous Aerial Cargo/Utility System [AACUS] equip w/ sensor integrated into rotary wing aircraft for detect & air drop

Military Tech: RQ-4 Global Hawk UAS equip w/ AE3007H turbofan engine for high-altitude long-endurance [HALE] ISR detect moving ground target

Military Tech: Project 21631 Corvettes equip w/ SS-N-27 anti-ship missiles, 100m & 30mm guns, Igla-1M air defence systems& CODAD propulsion

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Flight Global: FA-50 fighter jet equip w/ F404 engine, Link 16 tactical data link, mech scanned array radar, 20mm cannon & air-air missiles

Flight Global: Rafael aircraft equip w/ Meteor beyond-visual-range air-air missile, AASM Hammer air-surface munition & PDL-NG laser pod

Defense News: FFGs upgraded w/ Phalanx CIWS, Rolling Airframe Missiles [SeaRAM], Swarbusters, 76mm guns, sonar upgrade & torpedo launchers

Flight Global: FA-50 fighter aircraft equip w/ radar warning receiver, JDAM, CBU-97 Sensor Fused Weapon, 20mm cannon & air-air missiles

Military Tech: AW159 Lynx Wildcat helicopters equip w/ ASuW guided missile [FASGW(H)/ANL] to replace Sea Skua & AS15TT anti-ship missiles

Military Tech: EC-130H Compass Call aircraft equip w/ T56-A-15 turboprop engines & extended frequency range for jamming CNS/ATM systems

Military: F/A-18E/F fighters equip w/ passive, long-range sensor Infrared Search & Track [IRS] for air-air targets during electronic attack

Military Tech: Joint High Speed Vessel [JHSV] equip w/ MTU20V8000 M71L engines driving WLD1400 SR waterjets thru ZF60000NR2H reduction gears

Military Tech: MQ-9 Reaper remotely piloted aircraft [RPA] equip w/ Dual Mode Brimstone missile for anti-jet, rotary wing& surface platforms

Military Tech: MQ-4C Triton UAS provides high-resolution imagery, target detection radar & communication- information-sharing capabilities

Military Tech: 3UBK20 Mango advanced 125mm round design for T-72, T-80 & T-90 main battle tanks [MBTs] armed w/ 2A46M cannon variant ranges

Military Tech: Anzac-class frigates equip w/ Mk41 VLS for Sea Sparrow surface-air missiles, SPS-49(V)8 ANZ & Sea Giraffe G/H-band radars

Flight Global: AW159 Wildcat helicopter equip w/ Future Anti-Surface Guided Weapon[FASGW] replace SeaSkua missiles for anti-corvette mission

DID: Hermes 900 UAV equip w/ T-200 X-band SAR/GMTI radar, DCoMPASS target turret, AES 201V ESM/ELINT signal intercept& COMJAM jamming system

Defence Talk: HL352 ship equip w/ Multi Ammunition Softkill System [MASS] for radar, laser, electro-optical, rockets& guided missile detect

IHS4: Luyang III Destroyer equip w/ 346 Dragon Eye active phased-array radar, bow-mounted sonar, towed array sensors & Yu-7 324 mm torpedoes

USNI: Luyang III guided missile destroyers equip w/ HHQ-9B vertical launch system [VLS] for surface-air & ASW missiles & LACM cruise missiles

USNI: MQ-4C Triton equip w/ AN/ZPY-3 multi-function array sensor [MFAS], AN/ZLQ-1 electronic support measures & MTS-B electro camera system

Defcon: AH-64E Apache Guardian helicopters equip w/ T700-GE-701D engines, new rotor blade tech & electro-optical & infrared [EO/IR] sensors

Defcon: HH-101A helicopters feature M134 7.62 mm pintle-mounted Gatling-type machine guns w/ ballistic protection, IEWS & air-air refuel

Defcon: Global Hawk UAV equip w/ multi-platform radar tech insertion programme [MP-RTIP] & active electronically scanned array [AESA] radar

Defence Talk: Guided Multiple Launch Unitary Rocket System [GMLRS] packaged in MLRS launch pod & fired from HIMARS or M270 launchers

Defcon: ORP patrol vessel equip w/ SMART-S Mk2 surveillance radar, STING-EO Mk2 fire control radar, & LINK 11/16 tactical data link system

Defcon: RQ-4 Global Hawk UAS equip w/ Satellite Communications [SATCOM] split link to send mission data independent of command& control link

Flight Global: Gripen Fighter Jet equip w/ Skyward-GIRST track sensor for long-range aircraft detect w/o need to first switch on AESA radar

Military Tech: C-130 transport aircraft equip w/ AE2100D3 turboprop engines, LynxOS-178 operating system for CNS/ATM airspace requirements

Defcon: Apache Helicopter Longbow radar system provides auto target detect, location, classification& enables rapid, multi-target engagement

Defcon: AS365 Panther K2 helicopter equip w/ 2C2CG engines, four-axis autopilot cockpit, new altimeter, navigation radios & new tail rotor

Defence Talk: Excalibur High-energy lasers [HEL] equip w/ optical phased array [OPA] driven by fiber laser amplifiers for high-band comm

Flight Global: E/A-18G Growler fighter jets feature engine, avionics, radar upgrades& improved infrared search & track systems capabilities

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Military Tech: Flight III DDG 51 AMDR integrated air & missile defence radar w/ S-band & X-band radar & radar suite controller [RSC] system

Military Tech: FREMM ships equip w/ SAAM Aster 15 missiles, Mk2 missile systems for air-air & EMPAR G-band multifunction phased array radar

Military Tech: Project 22160 costal patrol ships equip w/ 57mm cannon, heavy machine guns, air defence systems & optional missile launchers

Military Tech: Project 21631 ship variant of Project 21630 equip w/ Kalibr SS-N-27 anti-ship, Igla-1M air defence missiles, 100mm& 30mm guns

Military Tech: Seeker 400 UAS equip w/ synthetic aperture radar [SAR] laser ranger finder & illuminator, Communications Intel[COMINT] system

Military Tech: Type 056 Corvettes equip w/ AJK-10 [HQ-10] surface-air missile, 324mm torpedo tubes, H/PJ-26 76mm main gun & 30mm H/PJ-17

Military Tech: Type056 corvette equip w/ jammers, decoy launch, IR-17 optronics & SITN240 SATCOM & YJ-83 [C-803] anti-ship cruise missiles

Military Tech: Type056 corvette equip w/ Type360 air/surface search, Type760 nav, Type LR-66 fire control& Type754 helicopter approach radar

Military Tech: Type 056 replace Type 037 Corvette equip w/ Z-9C light utility helicopter, inflatable boat packed in hard-shelled canisters

Flight Global: FA-50 aircraft equip w/ radar warning receiver & Joint Direct Attack Munition [JDAM], CBU-97, 20mm cannon & air-air missiles

Military Tech: C-130J Hercules aircraft AE 2100D3 two-shaft gas turbine w/ HP compressor integrated w/ six-bladed Dowty propeller

Military Tech: DDG-53 destroyer equip w/ Aegis Weapons System [AWS] uses AN/SPY-1D (MOD) radar for anti-air & anti-ballistic missile IAMD

Military Tech: Phalanx Block 1B close-in weapon systems [CIWS] install on FFX Batch II frigates & AOE II-class fast combat support ships

Military Tech: M3 multi-role anti-armour anti-tank weapon system [MAAWS] 84mm reusable, recoilless rifle to engage w/ RPGs & machine guns

Military Tech: Joint air-to-ground missile [JAGM] guidance section dual-mode seeker features Hellfire precision-strike semi-active laser

Military Tech: ECUME rigid inflatable boat [RIB] part of assault group deployed by Offshore Patrol Vessels, TCD, PCB & FREMM class frigates

Military Tech: Joint logistic support ship [JSS] equip w/ Scout Mk3 naval surveillance radar, Goalkeepers, auto 30mm & medium-calibre guns

Military Tech: Type 23 Duke-class ships equip w/ Sonar 2050 sensor & Sonar 2087 towed array system, Merlin helicopter w/ FLASH dipping sonar

Military Tech: S-100 Vertical takeoff & landing [VTOL] UAS equip w/ MX-10, Micro Auto Identification System [AIS] & mount w/ Harpoon system

Military Tech: AGM-65G-2 Maverick air-surface missile install on A-50, F-16C/D Block 52D, F-15K & F-4 fighter aircraft for stand-off capable

Military Tech: Duke-class ships equip w/ vertical-launch Seawolf missile defence system & Harpoon surface-surface missile for ASW & ASuW

Defense News: FA-50 aircraft equip w/ F404 engine, air-to-air & air-to-surface missiles, machine guns & joint direct-attack munitions [JDAM]

Defence Talk: Amur-1650 submarines equip w/ vertical launchers for Club-S, Brahmos & cruise missile systems for land-attack capability

Military Tech: Griffin BGM-176B missile on rotary & fixed-wing aircraft, maritime platforms is variant of AGM-176A Griffin on C-130 aircraft

Military Tech: AC-130J Ghost rider gunship aircraft equip w/ 30mm cannon, AGM-176A Griffin missiles, synthetic aperture radar & GBU-39 bomb

Military Tech: Electro-optical multifunction system [EOMS-NG] features infrared search-and-track [IRST] w/ gun fire control for surveillance

Military Tech: Virginia-class subs equip w/ AN/WLY-1 countermeasures, AN/BLQ-10 electronic support measures [ESM] & AN/BPS-16(V)4 nav radar

Military Tech: Virginia-class subs equip w/ vertical missile launch & 533mm torpedo tubes to fire Mk48 mod 6 torpedoes & Harpoon missiles

Military Tech: Aegis Weapons System [AWS] equip w/ AN/SPY-1 auto-detect & track, multi-function phased-array radar for missile guidance

Military Tech: Corvettes w/ HKP-15 helicopters use SDL-SS [Sensor Data Link-Surface Segment] for ASW on remote/elevated or surface platforms

Defcon: AH Mk-1 Apache helicopters equip w/ Modernised Target Acquisition Designation Sight/Pilot Night Vision Sensor [M-TADS/PNVIS] system

Defcon: Sea Sparrow Missiles directed by Active Phased Array Radar [APAR] eliminate drones w/ Interrupted Continuous Wave Illumination tech

Military Tech: SAMP/T air defence system 360° protection vs. tactical & ballistic missiles, UCAVs w/ 3D multi-function phased array radar

Military Tech: FREMM frigate equip w/ 76mm main gun, anti-submarine torpedoes & Aster missiles to counter supersonic & subsonic threats

Military Tech: FREMM frigate equip w/ MM40 Block 3 anti-ship missiles controlled through CMS console by Mer-Mer weapon control system

Military Tech: U212 submarine Black Shark long-range, wire-guided self-homing torpedo replace A-184 to counter surface or underwater targets

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Military Tech: P-8A aircraft equip w/ AN/APY-10 multi-function radar, anti-ship missiles, depth charges, torpedoes & sub detect sonobuoys

Military Tech: DDG-93 Destroyers equip w/ AN/SLQ-25A Nixie torpedo decoys, AN/SQS-53C active sonar & AN/SQR-19B passive towed array

Military Tech: DDG-93 Destroyers equip w/ 324mm mk32 mod 14 torpedo tubes for mk46 or mk50 active/passive homing anti-sub torpedo launch

Military Tech: DDG-93 destroyers equipped w/ AN/SLQ-32(V)3 radar warning & jamming, Tomahawk cruise & land-attack [TLAM], anti-ship missiles

Military Tech: Project 1144.2 missile cruise ship equip w/ Ka-27PL or Ka-25RT helicopters, 130mm AK-130 twin-barrel gun & air-defence missile

Military Tech: Project 1144.2 missile cruise ship equip w/ CIWS, P-800 [SS-N-26] anti-ship & S-400 [SA-21 Growler] air defence missiles

Defcon: Rafale fighter aircraft equip w/ air-ground precision AASM Hammer missiles, MICA medium and long range air-to-air & METEOR missiles

Defcon: TALON Remote Weapons System [RWS] 2.75 inch rapid fire, laser-guided rocket on corvettes used vs.. small swarming littoral boats

Military Tech: Enhanced Paveway II GBU-50 fired by Litening III targeting pod from Mirage 2000D aircraft.provides MK-84 & BLU-109 penetrator

Military Tech: Mi-24P variant of Mi-24 attack/transport helicopter w/ side-mounted 30-mm GSh-30K twin-barrel cannon & anti-tank missile

Defcon: LUNA UAV equip w/ Miniature synthetic aperture radar [MiSAR] dual antenna unit & frequency-modulated continuous wave mode operation

Military Tech: MQ-4C UAS equip w/ MFAS, EO/IR sensor, array radar, electronic support measures [ESM], AN/ZLQ-1 ESM w/ SEI to track & detect

SDI: Iron Beam High-energy laser weapon system [HELWS] destroys targets by irradiation w/ high energy [HE] laser beam against C-UAVs

Defcon: Archer auto 155mm howitzer& M151 Protector remote-controlled weapon station [RCWS] mounted on A30D vehicle w/ M982 Excalibur rounds

Military Tech: Long-range anti-ship missile [LRASM] based on Joint air-surface standoff missile-extend range [JASSM-ER] launch from MK41 VLS

Military Tech: Saryu-class naval offshore patrol vessel [NOPV] equip w/ 76mm gun, 30mm CIWS, helicopter deck& auto radar plotting aid [ARPA]

USNI: F-35, F/A-18E/F & EA-18G aircraft equip w/ electronically scanned array [AESA] antenna capability for APG-81 & APG-79 radars

Military Tech: F-16 Block52 aircraft equip w/ AIM-9X BlockII & TGM-65G Maverick missiles, GBU-38 JDAM & CBU-105 (D-4)/B sensor fused weapons

Military Tech: RAPID Ranger launcher& fire control system integrate w/ STAR Streak missile vs. ground attack aircraft, UAVs & cruise missile

Military Tech: SM-3 Block IB missiles feature 2-colour IR seeker & altitude throttle control w/ precision anti-ballistic missile propulsion

SDI: Tomahawk block IV missile launch from surface ships w/ vehicle launch systems [VLS], subs w/ torpedo tube& capsule launch systems [CLS]

Defense News: Forceshield integrated vehicle-mounted systems equip w/ Starstreak missiles, ControlMaster200 radars & Rapid Ranger launchers

Military .com: M205 Tripod replace M3 for M2/M2A1 & MK19 machine guns w/ Traverse& Elevation [T&E] mechanism similar to M192 GroundMount

Military Tech: Joint air-to-surface standoff missile [JASSM] integrated w/ F-18C/D Hornet, B-1B, B-2, B-52, F-16 & F-15E fighter aircraft

Military Tech: Piranha III APC equip w/ Protector M151 RWS mount M249 & M240 machine guns, Browning M2, MK19 40mm launcher & Javelin ATGM

Military Tech: Rafale aircraft equip w/ Meteor long-range air-air missile, laser designate pod [PDL-NG] & air-ground modular system [AASM]

Military Tech: Ohio-class subs equip w/ 533mm torpedo tubes & mk118 digital fire control,.AN/BQQ-10(V4) sonar processor & 15A I/J-band radar

USNI: Aegis-class Destroyer Air & Missile Defense Radar [AMDR] replace SPY-1D radars w/ S-band radar, X-band horizon search radar & RCS

Defence Aviation: H-8 stealth bomber equip w/ Red Bird cruise missiles, laser guided Thunder Stone, satellite guided bomb& anti-ship missile

DID: Merlin Mk1 & Mk2 helicopter acoustics w/ multi-platform Folding Light Acoustic System [FLASH] Active Dipping Sonar& sonobuoy processing

Military Tech: Paveway II Plus laser guided bomb [LGB] kits.support standard GBU-10 MK-84, GBU-12 MK-82 & GBU-16 MK-83 series configurations

Military Tech: Infra-red imaging system-tail/thrust vector-controlled [IRIS-T] SLM ground-based air defence system w/ CEAFAAR radar & TOC

Military Tech: EA-18G Growler equip w/ AIM-120 advanced medium-range air-to-air [AMRAAM] & AGM-88 high-speed anti-radiation missiles [HARM]

Military Tech: EA-18G Growler equip w/ airborne electronic attack [AEA] ALQ-218 jamming system & AN/ALQ-227 communication countermeasures

Air Attack: B-52 aircraft equip w/ JDAM. Joint Air-to-Surface Standoff Missile [JASSM], Miniature Air Launched Decoy [MALD] & jammer variant

Defence Aviation: PAK-FA aircraft replace Su-27s & MiGs equip w/IRST for ground attack, AESA radar, L-band radars & tandem weapon bays

USNI: MQ-4C Triton equip w/ AN/ZPY-3 Multi-Function Active Sensor [MFAS], MTS-B electro-optical/IR camera, AN/ZLQ-1 system & AIS receiver

Defence Aviation: F-15 Silent Eagle equip w/ AIM-9 & AIM-120 air-to-air missiles & Joint Direct Attack Munition [JDAM] air-to-ground & SDB

Military Tech: NUSHIP landing helicopter dock [LHD] ship equip w/ Typhoon stabilised weapon system w/ 25mm M242 Bushmaster& M240 7.62mm guns

Military Tech: Mi-17V-5 helicopter variant of Mi8 Hip equip w/ TV3-117BM engine, large-caliber guns& outboard cassettes w/ unguided missiles

Defcon: AH-64E Apache replace AH-64D Longbow helicopters equip w/ T700-GE-701D engines, upgrade rotor blade tech, electronics& EO/IR sensors

Military Tech: C130-J Super Hercules aircraft equip w/ AN/ALR-56M advanced radar warning receivers& AN/ALE-47 countermeasures & IR detection

Military Tech: K-329 subs equip w/ vertical launching system tubes for long-range cruise missiles against subs, surface ships & land targets

Military Tech: AGM-154C-1 Joint stand-off weapon missiles [JSOW] on F/A-18 Super Hornet aircraft for air-to-ground missions w/ IR seeker

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IHS4: J-10B fighter equip w/ ground-attack & active radar-guided air-to-air missile [AAM], AESA radar & CASIC CM-400AKG anti-ship missile

IHS4: J-10B fighter equip w/ NRIET AESA radar; EO targeting sensor,IRST & laser rangefinder & electronic warning or countermeasures pod

Military Tech: EH-101 TTT helicopters equip w/ ALQ-213 Electronic Warfare [EW] system & pods integrated w/ ACMDS & missile warning sensors

Military Tech: Virginia-class subs equip w/ AN/WLY-1 countermeasures, AN/BLQ-10 electronic support [ESM] & AN/BPS-16(V)4 navigation radar

Military Tech: Virginia-class subs equip w/ 533mm torpedo tubes, mk48 ADCAP mod 6 heavyweight torpedoes and sub harpoon anti-ship missiles

Military Tech: A12 Carrier has capacity for fixed-wing aircraft, A-4KU Skyhawks, AS 532 SC Cougars, SH-3A/B Sea King & AS350 helicopters

Military Tech: A12 Carrier equip w/ DRBV-23B/15, NRBA-50, & DRBI-10 approach & sentry radar, DRBC-32C fire radar & DRBN-34 navigation Radar

Military Tech: KUH Surion helicopter equip w/ forward-looking infrared radar [FLIR], infrared& electronic countermeasures dispenser systems

SDI: Tejas Light Combat Aircraft [LCA] equip w/ external air-to-air, air-to-ground& anti-ship missiles, precision-guided munitions& rockets

Military Tech: FREMM vessels equip w/ G-band multi-function phased array radar & silent acquisition surveillance system [SASS] forIRST

Military Tech: FREMM vessels equip w/ SAAM Aster 15 missile system & Mk2 sea-skimming anti-ship missiles for ASW & anti-air missions

Defcon:Centurion launcher deploy Javelin missiles, anti-ship missile countermeasures& anti-torpedo decoys from small ships& major combatants

Defcon: MH-60 helicopter equip w/ Mk 50 & Mk 54 rockets, M197 20mm gatling gun, Hydra 70 APKWS, APS-153 radar & AN/AQS-22 dipping sonar

Defcon: AN/TPY-2 high-resolution X-band phased array radar for ballistic missile defense system [BMDS] long-range tracking & discrimination

Military Tech: Borei-class SSBN subs replace Project 941 & 667 [Typhoon & Delta-3/4] class ballistic missiles w/ SS-NX-30 sea-based SLBM

Military Tech: Gowind offshore patrol vessel [OPV] equip w/ S-100 autonomous vertical takeoff & landing [VTOL] unmanned aerial vehicle [UAV]

Military Tech: DDG-1000 Destroyers equip w/ MK 57 vertical launch system & integrated undersea suite w/ dual-frequency & hull-mounted sonars

SDI: 877EKM submarines equip w/ 3M-54 Club-S [SS-N-27] anti-ship cruise missiles, USHUS sonar, CCS-MK radio system & Porpoise radar

Military Tech: V-22 Osprey tilt-rotor equip w/ AE 1107 turboshaft engine, effusion-cooled annular combustor, gas generator & power turbines

SDI: Mi-38 helicopters equip w/ turboshaft TV7-117V engines feature FADEC system upgrade using BARK-12 or BARK-57 electronic engine control

SDI: Communications denial sub-system [CoDeSS] w/ electronic attack [EA] provides jamming capabilities within HF to UHF communication bands

Defcon: DDG-1000 & DDG-1001 destroyers equip w/ multi-function towed array for sonar suite & uptake kits for MK 57 Vertical Launching System

Military Tech: Phalanx CIWS equip w/ rapid-fire, computer-controlled radar & 20mm Gatling gun system & FLIR for anti-ship missile defence

Military Tech: F125 Frigate replace F122 equip w/ 21-cell Mk49 launchers, RIM-116 rolling airframe missiles [RAM] & NH-90 helicopters

Defence Aviation: F-15 Silent Eagle upgrade to F-15 StrikeEagle equip w/ AIM-9 & AIM-120 air-to-air & JDAM air-to-ground missiles & AESA radar

Military Tech: 2400 CPV Defender Patrol Craft equip w/ X-band surveillance & navigation radar, electro-optical sensors & multi-weapons mount

Defense News: FA-50 aircraft light attack variant of T-50 Golden Eagle equip w/ air-to-air & air-to-surface missiles, JDAM & EL/M-2032 radar

Military Tech: Typhoon aircraft upgrade w/ Phase 1 Enhancement [PIE], twin-engines, integration of METEOR air-to-air missile, & E-Scan

Military Tech: DDG 51 guided missile destroyers for air, surface, subsurface & low intensity conflict/coastal & littoral offshore [LIC/CALOW]

Military Tech: A-10/C Thunderbolt II aircraft upgrades A-10A avionics w/ portable armament test set-70 [PATS-70] platform for friend-foe ID

Military Tech: GRIFO 4th-gen X-band coherent, pulse-Doppler multimode-multirole fire-control radar for new & upgraded F-5 supersonic aircraft

Military Tech: CH-47D Chinook helicopters equip w/ AN/ARN 123 VHF VOR landing system beacons & AN/ARN-154(V) tactical air navigation [TACAN]

Military Tech: AN/TPS-80 ground/air task oriented radar [G/ATOR] first ground-based, multimission radar features open, scalable architect

Defcon: RQ-21A Blackjack drone launched & recovered w/o runways using hydraulic launcher, equip w/ visible-light imager & IR cameras