Russia's Aircraft

Russian Military Aircraft 1955 - Present Day

edited by

Larry Bond, Chris Carlson, and Peter Grining

published by

Admiralty Trilogy Group

Copyright © 2020, 2021, 2024 by Admiralty Trilogy Group, LLC All rights reserved. Printed in the USA. Made in the USA.

No part of this game may be reproduced or used in any form or by any means without permission in writing from the publisher

Harpoon is a registered Trademark by Larry Bond and Christopher Carlson for their modern tactical naval wargame. The Admiralty Trilogy is a registered Trademark by Larry Bond, Christopher Carlson, Edward Kettler, and Michael Harris for their Twentieth-Century tactical naval gaming system.

The designers of *Harpoon* are prepared to answer questions about the game system. They can be reached in care of adtrgroup@aol.com. Visit their website at www.admiraltytrilogy.com.

This version of *Russia's Aircraft* June 2021 printing contains all changes and corrections through 1 January 2024. Digital update 23 Aug 2024.

Cover: Su-33 fighters, one Su-25 UTG and two Ka-27 helicopters on aircraft carrier Admiral Kuznetsov (Russian Navy)

Table of Contents			
	<u>Page</u>		
Table of Contents	2		
Acknowledgements	2		
The 2012 Damage Point Standard	2		
Annex Notes	2		
Introduction	3		
A Note on Ordnance Loadouts	3.		
Annex B Aircraft	B-1		
Abbreviations	B-58		
Annex Ba Aircraft Fuel Offload Rates	B-59		
Annex E Depth Charges	E-1		
Annex F Torpedoes	F-1		
Annex G Mines	G-1		
Annex H1 Unguided Air Ordnance	H1-1		
Annex H2 Guided Air Ordnance	H2-1		
Annex H3 Aircraft Guns	H3-1		
Annex H4 Air-to-Air Missiles	H4-1		
Annex H5 Aircraft Electronics	H5-1		
Annex H6 Anti-Runway Ordnance	H6-1		
Annex H7 Free-Fall Nuclear Bombs	H7-1		
Annex J3 Air Radars	J3-1		
Annex J3a Long-Range Missile Seeker	J3-5		
Annex K2 Airborne Search Sonars	K-1		
Annex K3 Sonar Processors	K-2		
Annex L Tactical Data Links	L-1		
Bibliography	87		

Acknowledgements: Thanks to Andy Doty, Pat Hreachmack, Kevin Martell, Dave Schueler, Steve Thorne, Jim Sperling, and Jay Wissmann.

The 2012 Damage Point Standard: *Russia's Aircraft* uses the "2012 Standard" to calculate a ship's damage points. This method, described in the April 2012 issue of the *Naval SITREP* (hence the name) matches historical results more closely than the older "2006 Standard" used in older supplements.

If you are using ship data from more than one Admiralty Trilogy publication, make sure that the damage points have all been calculated using the 2012 Standard.

Annex Notes: The information on the platforms, weapons, and sensors in this annex has been standardized so that it is compatible and consistent with all *Admiralty Trilogy* games. Equipment that was used in more than one era will have the same statistics in all games. Information in this Annex is compatible with *Harpoon* fifth edition.

The Annex designations are standardized for all four Admiralty Trilogy games: Dawn of the Battleship, Fear God & Dread Nought, Command at Sea, and Harpoon. Gaps in the sequence are caused by annexes that are not applicable to that era or product.

If there is information in another *Trilogy* publication that conflicts with the data printed here, use the information in the product with the newest copyright date, since new information and corrections can change statistics. If you have a question about the conflict, or about any other data listed, please contact us.

Except for Annex A, systems are listed in their annexes alphabetically, first by country, then by name. The ships in Annex A are listed in traditional order, with capital ships first, followed by minor combatants, submarines, mine warfare craft, auxiliaries, then civilian vessels. An alphabetical list of ships by class name is provided beginning on the next page.

Systems listed in *italics* never entered service. They existed only as hypothetical designs, in prototype or developmental form. Ships with a year in parentheses following their name have been radically altered since they entered service, and were operational in their new configuration in the listed year.

Russia's Aircraft

Introduction

The post World War 2 Soviet Air Force was in fact a number of separate services - the Military Air Force or VVS, Air Defense Forces or PVO and Naval Aviation or AVMF.

The VVS had three main branches - Frontal Aviation, Long Range Aviation and Military Transport Aviation, known as FA, DA and VTA. FA flew the fighters, attack and reconnaissance aircraft based in the Soviet Union, Czechoslovakia, East Germany, Hungary, Mongolia and Poland. Units based in the USSR flew the DA bombers and VTA transport aircraft. VVS was renamed Russian Aerospace Forces or VKS in August 2015 when the ballistic missile defense units of the Aerospace Defense Forces were absorbed.

PVO consisted of radar stations, surface to air missiles and interceptors or IA-PVO to defend the airspace of the Soviet Union. In 1998 PVO was merged with VVS.

AVMF had a large aviation component including land based fighter regiments to defend coastal regions. As part of the 1960s cuts, AVMF lost its torpedo bombers and transferred fighters to the PVO.

Army Aviation, flying attack and transport helicopters in support of Ground Forces, was renamed as Ground Forces Aviation or ASV in the early 1980s. In January 2003, command of ASV passed to the VVS.

The paramilitary Border Guards also operates ships and aircraft. Border Guards was under the KGB from 1954, and was then independent until coming under the FSB from 1993. Border Guards have similar roles to US Coast Guard along with land border security.

The most traumatic event for Soviet Air Forces was the breakup of Soviet Union in December 1991. Around half the aircraft and personnel were now in foreign countries. Some returned to Russia, many remained. The 1990s were "the lost decade" with no funding for new equipment and training suffering from drastically reduced flying hours. Aircraft regiments were reduced from three to two squadrons around 1998.

With Vladimir Putin entering power widespread reforms commenced, including the first new aircraft purchases in around 20 years. The Russian Air Force deployed to Syria to support the Assad regime in 2015. As a result, the majority of aircrew have combat experience and aircraft and weapons have been tested under combat conditions.

Throughout this work, "Russia" refers to both the pre-1991 Soviet Union (USSR) and the post 1991 Russia. "AVMF" is naval aviation, "PVO" refers to IA-PVO and "Air Force" for the commands under VVS control.

This volume does not cover any of the independent Republics, such as Azerbaijan, Belarus, Kazakhstan and the Ukraine. Some of the Russian-made aircraft used by these countries have been modified, either with Russian or Israeli and French systems. Players should check the exact configuration of aircraft from these countries when using statistics from this book.

A Note on Ordnance Loadouts

For reasons of space and ease of reading, not all possible combinations are included in Ordnance Loadouts. Free-fall ordnance can usually be substituted for similar weapons of the same weight class.

For example, a FAB-500 general purpose bomb can be replaced by a RBK-500 cluster bomb or a BeTAB-500 concrete-piercing bomb. A rocket pod or a gun pod cannot replace a bomb, though. This only applies to unguided free-fall ordnance.

When substituting one weapon for another, check the in-service dates of the new ordnance. For example, the RBK-250 and RBK-500 cluster bombs, and high drag Sh-series bombs are available starting in the early 1970s. These can replace the FAB-250 and FAB-500.

When setting up a scenario, check Annex B and the weapons Annexes to find any applicable weapons and aircraft upgrades. For example, the Su-35S entered service in December 2015, but the Kh-35U was not carried until September 2017 (Annex B Remarks). The Kh-35U entered service in 2016 (Annex H2) on the Su-34 (Annex B). The Kh-35U is also carried by the Ka-52K (yet to enter service), MiG-29KR (IOC 2015), MiG-35S (IOC 2021), Su-30SM (IOC 2015), Su-57 (IOC expected 2020). As the Annex B entries do not mention a separate date for the Kh-35U, it entered service on MiG-29KR, Su-30SM in 2016 and the remainder on IOC. Possible ordnance loadouts should be determined before game play, to work out weapons delivery factics.

Due to space restrictions and lack of information, some weapons in Annex H2 - Guided Weapons do not appear in Annex B. The rule of thumb is to replace like for like. Annex B calls out KAB-500Kr, but the KAB-500-OD can be carried in the same loadouts. The Grom series weigh around 600 kg, less than Kh-29 or Kh-31, so they can be carried, replacing those weapons. Likewise, the Kh-38M is designed to replace the Kh-29. KAB-500M, UAB-500 can be carried replacing KAB-500Kr or KAB-500L. UAB-1500B replaces KAB-1500. The status of the KAB-1500S series is unknown, but again would replace any KAB-1500 in Annex B loadouts. The KAB-1500TK and UPAB-1500Kr require APK-9 guidance pod, so a closer match would be to replace the Kh-59 series. Likewise, the UAB-1500 entered service in 2019; they can be carried by any aircraft capable of carrying the KAB-1500 series. ATBIP, or the "Father of All Bombs" was tested in 2007, possibly from a transport aircraft. It is unknown whether it has entered service. Some of these new weapons might be export only. Some might be canceled before development is complete.

To summarize, if an Annex B entry has a date for a weapon, that is when it entered service on that aircraft. If there is no date, it was carried by the aircraft when it entered service.

B-1 Russia's Aircraft

Annex B - Aircraft

Russia

3M [Bison B/C] Bomber/Tanker Man Rtng: 0.5/0.5 Damage Value: 73 Size/Signature: Large/Large Bombsight: Ballistic Counterm: 1st Gen J&D Inflight Refuel: P

Sensors: RBP-4 Rubidy-MM radar, Gen 0 RWR Throttle Setting/Speed in knots

<u>Altitude</u>	<u>Cruise</u>	<u>Full Mil</u>	<u>Reheat</u>
Low:	445	480	
Med:	455	490	
High:	465	500	
•			

Ceiling: 12250 meters Engine Type: TJ Cruise Range: See Remarks Int Fuel: 102950 kg Additional Fuel Fuel Wt. Range Add. 6500 L drop tank 5265 kg 325 nmi 7600 L bay tank 6155 kg See Remarks **Ordnance Loadouts:** Payload: 9000 kg

Def Guns: Dorsal, ventral twin AM-23 23mm. Rear twin AM-23/ PRS-1 Argon radar FC (1.4)

- 1 RDS-1 or 1 RDS-3 or RDS-4T or RDS-5 or RDS-37
- 1 FAB-9000 or 2 FAB-5000 or 6 FAB-3000
- 28 FAB-500 or 52 FAB-250 or 52 FAB-100
- 1 FAB-9000, 2 bay tanks
- Single hose/drogue unit, 2 bay tanks (tanker)

In Svc: 1957 - Mar 94 Solid nose. Can carry 18000 kg payload with reduced fuel. Used for maritime surveillance with low altitude camera.

- 3MS-1: RD-3 engines. Range 4820 nmi, bay tank adds 340 nmi. 30 delivered 1956-57.
- 3MN-1: VD-7B engines. Range 5415 nmi, bay tank adds 380 nmi. Retired in 1980s. 44 delivered 1955-59.
- 3MD [Bison C], with Rubin-1K radar, PRS-3 Argon replaces PRS-1, range 5290 nmi, bay tank adds 375 nmi. Was planned with 2 K-14S (version of K-10S with 135 nmi range) underwing, K-14S canceled, Aug 1960 and production cut short at 9 a/c as pure bombers. In service 1960-85.
- 3MP: Proposed version of 3MD with provision for either missile carrier, bomber or tanker roles.
- 19 Jul 57: Drop tanks added to 3MN-1 only.
- 1 Mar 59: First operational refueling by M-4 tanker.
- 1962 67: 32 3MN-1 and 3MS-1 converted to 3MN-2 and 3MS-2 tankers. Inflight refueling probe and countermeasures removed. Can be converted between bomber and tanker roles. MN-1 can transfer 2846 nmi, 3MS-1 can transfer 2535 nmi to receivers. Inflight refuel N/D.
- 1979-85: Permanently converted to tankers.

A-40 [Mermaid]

ASW Patrol Man Rtng: 0.5/0.5 Damage Value: 50 Size/Signature: Large/Large Bombsight: None Counterm: 2nd Gen J&D Inflight Refuel: P

Sensors: Sokol radar (use Novella 2 stats), Novella acoustic processor, 48 sonobuoys, MAD, 3rd Gen ES, 1st Gen FLIR

Throttle Setting/Speed in knots **Altitude** Full Mil Cruise Reheat Low: 390 410 Med: 390 410 390 410

Ceiling: 9700 meters Engine Type: TF Cruise Range: 2525 nmi Int Fuel: 28080 kg **Ordnance Loadouts:** Payload: 6500 kg

- 3 APR-3 Orel or 4 APR-2 Yastreb torpedoes
- 4 MDM-3 mines or 6 KAB-250-100PL Zagon DC Remarks: In Svc: 1995

Amphibian, Estimated mine and DC numbers.

• 6 Dec 86: First flight of prototype. Canceled early 1990s.

A-50/50M/50U [Mainstay]

AEW

Man Rtng: 0.5/0.5 Damage Value: 84 Size/Signature: Large/Large Bombsight: None Inflight Refuel: P Counterm: 2nd Gen J&D Sensors: Shmel radar, 2nd Gen ES, Gen 0 RWR, Gen 4 Semi-Automatic combat system, APD-518 and 'Shmel' data link

	Throttle	Setting/Speed	d in knots
<u>Altitude</u>	<u>Cruise</u>	Full Mil	Reheat
Low:	405	440	-
Med:	405	440	
High:	405	440	

Ceiling: 12200 meters **Engine Type: TF** Cruise Range: 2295/3470 pmi Int Fuel: 64820 kg In Svc: 1992/2012 Remarks: • A-50M with Shmel-2 radar, 3rd gen ES, Gen 4 Semi-Automatic

- combat system. Canceled 22 Oct 90
- A-50U with Shmel-M radar, 3rd Gen ES, 3rd Gen J&D, Gen 5 Automatic combat system. Prototype appeared in 1995. In service
- 1985-88: Service trials.
- 2014: 10 A-50, 3 A-50U in service.
- Dec 18: 14 A-50, 4 A-50U in service.
- Early 19: 4 A-50, 6 A-50U in service. Further 9 A-50 in reserve, seventh A-50U under conversion.
- Feb 22: Operate from Baranovichi in Belarus.
- 26 Feb 23: One A-50U (43 Red) damaged by drone attack at Machulishchy.
- Sep 23: 2 A-50, 8 A-50U in service.
- 14 Jan 24: One A-50U shot down by Patriot (Red 37).
- 23 Feb 24: One A-50U shot down by S-200 (Red 42).

A-90 Orlyonok [Orlan]

Transport

Damage Value: 80 Man Rtng: 0.5/0.5 Size/Signature: Large/Large Bombsight: --

Sensors: MR-244 Ekran radar

Throttle Setting/Speed in knots

<u>Altitude</u>	<u>Cruise</u>	Full Mil	<u>Reheat</u>
Low:	195	230	
Med:	195	230	

Ceiling: 3000 m Engine Type: TP & TF Cruise Range: 790 nmi Int Fuel: ? Ordnance Loadouts: Payload: 28000 kg

Def Guns: 2 DShK 12.7mm in forward dorsal turret (0.1) In Svc: 1978-93 Remarks:

Project 904. Wing-in-Ground-Effect craft (WIG). Three units built, S-23 (1972), S-25 (1979), S-26 (1980). Can take off and land up through Sea State 4. Can carry 400 naval infantry, 20 tons cargo, one BTR APC. Hinged nose with bow ramp. Fitted with wheels for beaching.

- 1975: S-23 crashed, rebuilt as S-21 in 1978.
- Oct 79: Trials with airborne unit and three craft in Caspian Sea.
- 21 Apr 87: Move to Black Sea.
- 1992: S-22 lost in crash
- 1993: Trials ended, placed in reserve. Struck 1999-06.

A-100 Premier **AEW**

Man Rtng: 0.5/0.5 Damage Value: 84 Size/Signature: Large/Large Bombsight: --Counterm: 3rd Gen J&D Inflight Refuel: P Sensors: Premier radar, Premier data link, 3rd Gen ES, Gen 6

Automatic combat system

Throttle Setting/Speed in knots

<u>Altitude</u> Cruise Full Mil Reheat Low: 405 440 Med: 405 440 --405 440

Ceiling: 12500 m Engine Type: TF Cruise Range: 4335 nmi Int Fuel: e84000 kg Russia's Aircraft

B-2

Remarks: In Svc: 2024
First flight Dec 17. II-476 airframe. Performance estimated.

• 9 Feb 22: First flight with radar switched on.

Altius-U Recon UAV
Man Rtng: 0.0 Damage Value: 24
Size/Signature: Small/Small Bombsight: -Sensors: 3rd Gen FLIR

 Throttle Setting/Speed in knots

 Altitude
 Cruise
 Full Mil
 Reheat

 Low:
 110
 160
 -

 Med:
 110
 160
 -

 High:
 110
 160
 -

Ceiling: 15000 meters Engine Type: Diesel
Cruise Range: 4590 nmi Int Fuel: ? kg
Remarks: In Svc: ?

BAK BD or Long Range UAV Complex. Operates from runway, controlled by SATCOM. Originally known as Altius-M. Planned for Northern and Pacific Fleets. Development slowed by embargo on German engine.

- 20 Aug 19: First flight.
- Two naval versions planned target acquisition and attack possibly with two Kh-35.
- 2021: First flight of Altius-RU recon/attack.

An-2TD [Colt] Transport
Man Rtng: 1.5/1.0 Damage Value: 12

Size/Signature: Small/Small Bombsight: None
Throttle Setting/Speed in knots

 Altitude
 Cruise
 Full Mil
 Reheat

 Low:
 100
 140
 -

 Med:
 110
 135
 -

Ceiling: 4400 meters Engine Type: RP
Cruise Range: 640 nmi Int Fuel: 900 kg
Remarks: In Svc: 1951

STOL biplane. Can carry 12 troops or 12 paratroops or 1250 kg cargo. License built in China as Y-5.

• 2021: Remains in service for parachute training.

An-8 [Camp] **Transport** Man Rtng: 0.5/0.5 Damage Value: 39 Size/Signature: Large/Large Bombsight: None Throttle Setting/Speed in knots <u>Altitude</u> **Cruise** -ull Mil Reheat 260 Low: 324 Med: 260 324 324 260 High:

Ceiling: 9600 meters
Cruise Range: 2020 nmi
Engine Type: TP
Int Fuel: 10595 kg

Def Guns: 2 AM-23 23mm in tail (0.7) • 4 FOTAB-100-80 illumination flares

Remarks: In Svc: 1959 - 70s
150 produced 1958-61. Can carry 60 troops or 40 paratroops or
4000 kg cargo. Can increase payload to 11000 kg with reduced
fuel. Unpressurized cargo hold - limited to Medium altitude carrying

• Mid-71: Five remain in service.

An-12B [Cub A/B]
Man Rtng: 0.5/0.5
Size/Signature: Large/Large
Sensors: Gen 0 RWR

Transport
Damage Value: 61
Bombsight: None

 Throttle Setting/Speed in knots

 Altitude
 Cruise
 Full Mil
 Reheat

 Low:
 300
 380
 -

 Med:
 300
 400
 -

 High:
 300
 420
 -

Ceiling: 10500 meters

Cruise Range: 2365 nmi

Engine Type: TP
Int Fuel: 13445 kg

Additional FuelFuel Wt.Range Add.9850 L auxiliary fuel7980 kg1870 nmiOrdnance Loadouts:Payload: See Remarks

Def Guns: 2 AM-23 23mm in tail (0.7)

- 2 FotAB-100-80 illumination flares (illuminates landing zones)
 70 OFAB-100 or 32 OFAB-250 or 18 FAB-500 (An-12BKB)
- 18 UDM-500 mines (An-12BKB)

Remarks: In Svc: May 1959

Can be fitted with 1st Gen D. Can carry 91 troops or 60 paratroops or 20000 kg cargo. Maximum altitude Medium with troops carried due to lack of cargo bay pressurization. Cub series had fuel, engine and other improvements. Stats above for An-12B.

- An-12: First 140 have 10775 kg fuel, 1525 nmi range, 14500 kg cargo. An-12P aux fuel adds 1495 nmi.
- An-12A: 11390 kg fuel, 1940 nmi range, in service 1961, 16000 kg cargo. An-12AP aux fuel adds 1795 nmi.
- An-12B: In service 1963. An-12BP aux fuel adds 1870 nmi.
- An-12BK: As An-12BP with more powerful engines, provision for auxiliary fuel, AM-23 guns (0.7), some with 1st Gen D. Production between 1967 and 1972.
- An-12BKB: An-12BK fitted as bombers, manual bombsight. In service 1969.
- An-12BKT: Ground tanker An-12BK used to refuel aircraft at forward bases. In service 1972.
- An-12PS [Cub B]: An-12BP ELINT version for monitoring NADGE and communications. 25-27 built, in service 1960.
- An-12RR [Cub B]: An-12 ELINT version, also used by Navy. Deployed to Syria Sep 72-Nov 73.
- 1963-89: An-12 to An-12P, An-12A to An-12AP, An-12B to An-12BP with additional 7980 kg auxiliary fuel under cabin floor with reduced cargo.
- 1965: Transports fitted with all weather formation flying aids.
- 1970: One An-12VPK Zebra command post conversion with full pressurization (no altitude restrictions). Used in East Germany until
- May 72: Ten An-12RR with Navy four Black Sea, two each Baltic, Northern and Pacific.
- 2024: 45 An-12BK with Air Force; 2 An-12BK and 3 An-12PS with Navy.

An-12 [Cub]

Man Rtng: 0.5/0.5

Size/Signature: Large/Large
Counterm: 1st Gen J&D

EW
Damage Value: 61
Bombsight: None
Inflight Refuel: N

Throttle Setting/Speed in knots

<u>Altitude</u>	<u>Cruise</u>	<u>Full Mil</u>	<u>Reheat</u>
Low:	300	380	
Med:	300	400	
High:	300	420	

Ceiling: 10200 meters Engine Type: TP
Cruise Range: 1960 nmi Int Fuel: 13345 kg

Def Guns: 2 AM-23 23mm in tail (0.7)

Sensors: 1st Gen ES

Remarks: In Svc: 1964

An-12B and An-12BK conversions. Jammers fitted under floor, cannot carry auxiliary fuel. Range estimated. An-12BK-PPS, An-12PP and An-12PPS have 2nd Gen J&D replacing 23mm cannon.

- An-12B-I: Seven with SPS-5 Fasol escort jammers (clutter rating 11), 1st Gen D. In service 1964. Not fitted with ES and must tune jammer before takeoff to one radar type.
- An-12BK-IS: 150 conversions 1970- 74 with Fasol suite.
- An-12BK-PPS: SPS-55 Buket Standoff jammer (clutter rating 13), 2nd Gen ES. Lays 60 nmi chaff. 19 An-12BK conversions from 1974
- An-12PP: As An-12BK-PPS. 27 conversions 1970-72.
- An-12PPS: As An-12PP, 19 delivered 1971-72.

B-3
Russia's Aircraft

An-14A Pchyelka [Clod] Transport
Man Rtng: 1.0/1.0 Damage Value: 19
Size/Signature: Small/Small Bombsight: None
Throttle Setting/Speed in knots
Altitude Cruise Full Mil Reheat

Low: 110 138 -
Med: 110 138 -
Ceiling: 5200 meters Engine Type: RP

Cruise Range: 300 nmi Int Fuel: 880 kg

Remarks: In Svc: 1965 - ? STOL. 'Little Bee'. Can carry 8 paratroopers or 720 kg cargo. 330 produced 1965-70.

An-22 Antheus [Cock]
Man Rtng: 0.5/0.5
Size/Signature: Large/Large

Transport
Damage Value: 97
Bombsight: None

Sensors: Gen 0 RWR

 Throttle Setting/Speed in knots

 Altitude
 Cruise
 Full Mil
 Reheat

 Low:
 320
 400
 -

 Med:
 320
 400
 -

 High:
 320
 400
 -

Ceiling: 10000 meters
Cruise Range: 4360 nmi
Remarks:
Engine Type: TP
Int Fuel: 96000 kg
In Svc: Jan 1969

Can carry 151 paratroopers or 292 troops or 11000 kg cargo. Can increase payload to 60000 kg with reduced fuel load - one MBT or two SA-4 launchers or 4 BMD-1. Can be fitted with 1st Gen D. Carries 4 illumination flares internally. Limited to Medium altitude while carrying troops or paratroops due to unpressurized cargo hold. An-22A has upgraded avionics.

- Deliveries: 38 An-22 [Cock A] 1969-73, 28 An-22A [Cock B] 1973-76. Strength: 55 (1993), 45 (1996), 26 (2000), 5 An-22A (2016)
- 3 Jan 74: Declared fully operational.
- 1985: Five An-22A fitted with 2nd Gen D for Afghanistan ops.
- 2012: Maximum payload to 40000 kg to reduce fatigue.
- Sep 21: Two remain operational. Four in 2024.
- 2024: Planned to be retired.

An-24T [Coke A]

Man Rtng: 0.5/0.5

Size/Signature: Medium/Medium

Throttle Setting/Speed in knots

Transport

Damage Value: 34

Bombsight: Manual

 Altitude
 Cruise
 Full Mil
 Reheat

 Low:
 243
 270
 -

 Med:
 243
 270
 -

 High:
 243
 270
 -

 Colling:
 2400 meters
 Facility Type

Ceiling: 8400 meters

Cruise Range: 1375 nmi
Ordnance Loadouts:

Engine Type: TP
Int Fuel: 4760 kg
Payload: 4600 kg

• 4 OFAB-100 or 4 FAB-500 bombs

Remarks: In Svc: 1967

Military transport with single side door for 33 paratroops or 37 troops or 4600 kg cargo. 164 An-24T delivered 1966-71, and 62 An-24RT (improved APU) delivered 1969-71. Exported from 1968 to 16 countries.

- An-24RV Salon: Air Force VIP transport.
- An-24V and An-24RV: Civil passenger with 44 passengers.
- Mar-Apr 69: Bombing trials. Used by Iraq in 1969.
- 2024: One An-24RV remains in service.

An-26 [Curl A/B] Transport

Man Rtng: 0.5/0.5 Damage Value: 35

Size/Signature: Medium/Medium Bombsight: Manual

Sensors: Gen 0 RWR

 Throttle Setting/Speed in knots

 Altitude
 Cruise
 Full Mil
 Reheat

 Low:
 237
 272
 -

 Med:
 237
 272
 -

 High:
 237
 272
 -

Ceiling: 8100 meters
Cruise Range: 1240 nmi
Ordnance Loadouts:

Engine Type: TP
Int Fuel: 5750 kg
Payload: 2400 kg

• 4 OFAB-100 or 4 FAB-500 bombs

Remarks: In Svc: 1970

Can carry one ASU-85 or military truck (GAZ-69, UAZ-469) or 40 passengers or 30 paratroops or 2400 kg cargo, or 24 stretchers. Based on An-24 with rear cargo ramp. Can be used as bomber.

• An-26B. 116 civil conversions with parachute capability removed.

Can increase payload to 5500 kg with reduced internal fuel.

- An-26M: Flying hospital. Two delivered in 1977.
- An-26RR SIGINT version.
- An-26RT [Curl B] communications relay with 42 conversions from 1973.
- An-26RTR with Taran COMINT with at least 8 conversions.
- An-26SM: One SIGINT conversion used by East Germany from 1986
- An-26Z-1: One COMINT conversion used by Czechoslovakia from 1989.
- 1969-86: 1398 delivered 564 Soviet military, 420 exports to 27 countries, 414 other Soviet ministries.
- 1990s: Used by Navy to air drop SAR stores in Pacific Fleet.
- 2024: Around 137 remain.

An-28 [Cash] Transport
Man Rtng: 0.5/0.5 Damage Value: 21
Size/Signature: Small/Small Bombsight: None
The the Setting (Speed in Innet)

Throttle Setting/Speed in knots

Altitude Cruise Full Mil Reheat
Low; 180 190 --Med: 180 190 --Cilian Cooperators Full Mill Reheat

Ceiling: 6000 metersEngine Type: TPCruise Range: 705 nmiInt Fuel: 1530 kgRemarks:In Svc: 1985

STOL. Can carry 17 passengers or 6 paratroops or 2000 kg cargo. Built in Poland.

An-30B [Clank] Reconnaissance
Man Rtng: 0.5/0.5 Damage Value: 35
Size/Signature: Medium/Medium
Throttle Setting/Speed in knots

 Altitude
 Cruise
 Full Mil
 Reheat

 Low:
 230
 290
 -

 Med:
 230
 290
 -

 High:
 230
 290
 -

Ceiling: 8300 metersEngine Type: TPCruise Range: 1205 nmiInt Fuel: 5060 kgRemarks:In Svc: 1974

Used for aerial survey and reconnaissance. Can be fitted with 1st Gen D on external bomb racks. Around 45 delivered to Russian military - 33 Air Force, remainder to other military services. Can be used as transports with cameras removed, estimate 37 troops or 4600 kg cargo.

- An-30A: Civil version. 71 delivered to civil Russian organizations and 18 exported to Afghanistan, Bulgaria, China, Cuba, Czechoslovakia, Mongolia, Romania, Vietnam.
- 1985 on: Three An-30B converted to air sampling An-30R.
- 1990: Five An-30B converted to **An-30D** for operations in Arctic regions for fisheries and ice monitoring. 7225 kg fuel, 1725 nmi
- 2024: Four operationa