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AAG *arty., milorg.* army artillery group (abbreviation for: *armijska artiljerijska grupa.*)

Abel-Nobelov zakon *jur., expl.* Abel-Nobel law (a law stating the relationship, for an explosive with a known ballistic characteristic, between the density of the charge, Δ , and the maximum pressure, P_m , of the gas reached when the explosive is ignited in a space with a constant volume. It is determined experimentally in a manometric bomb.)

aberacija svetlosti *astron.* light aberration (the apparent change in position of a star resulting from the speed of light and the rotation and revolution of the earth; in optics, spherical or chromatic distortion resulting from lens imperfections.)

ABHO *NBC* NBC warfare defense (abbreviation for: *atomsko-biološko-hemijska odbrana.*)

ABH-oružje *NBC* NBC weaponry (abbreviation for: *atomsko-biološko-hemijsko oružje.*)

ABH-služba *NBC* NBC warfare protective services (abbreviation for: nuclear-biological-chemical warfare protective services *atomsko-biološko-hemijska služba.*)

ablacioni materijal *msl.* ablating materials (materials placed on the surface of missile warheads or manned spacecraft to be wasted on atmospheric reentry to prevent overheating.)

abnormalni pogodak *ball.* abnormal shot, errant round (projectile diverging from the normal dispersion pattern by a factor of six.)

absoluta topografija *met.* charts of absolute topography Also called: synoptic charts *sinoptička karta.*

Ac *met., av.* altocumulus clouds (abbreviation for: *altokumulus.*)

ACD *veh.* decontamination tanker (abbreviation for: *automobil-cisterna za dekontaminaciju.*)

ada *topog.* river island (significant for constructing bridges for a forced crossing.)

adamist *CW* adamsite ($(\text{NH}(\text{C}_6\text{H}_4)_2\text{AsCl})$, chemical warfare agent; sternutator.)

adaptacija *constr.* adaptation (military construction jobs to alter the purpose or dimensions of buildings; accommodation of technical material to new

maintenance conditions or to modern equipment; conversion of aircraft from one given mission to another without permanent change in its tactical or technical characteristics.)

adaptivno upravljanje *log., msl.* adaptive management; adaptive guidance

adijabatski gradijent temperature *met.* adiabatic temperature gradient (the characteristic rate of change in air temperature with altitude under adiabatic motion (see: *adijabatski procesi*). It is $1^\circ\text{C}/100\text{ m}$ in dry air, and decreases in humid air above the condensation altitude. It serves as a criterion for the stability of the air mass.)

adijabatski procesi *met.* adiabatic processes (changes in the thermodynamic state of the atmosphere without exchange of heat with the environment. They are of principal importance for causing cloud formation, precipitation, or temperature inversions.)

adijabatsko širenje barutnih gasova *msl.* adiabatic expansion of solid-grain propellant gases

administrativna služba *admin.* administrative services (adjutant general, inspector general, judge advocate general, military police, etc.)

administrativna škola *edu., tng.* administration school (an institution to train junior officers, petty officers, seamen, and ground force men in the quartermaster branch.)

admiral *nav.* admiral (the third admiral rank; above Vice Admiral and below Admiral of the Fleet; three stars.)

admiralitet *nav.* Admiralty, Navy Department

admiralštab *nav., HQ* naval headquarters

advekcija *met.* advection (transfer of air, primarily in a horizontal direction, provoking changes in local air conditions, such as fog, thunderstorms, strong winds, protracted rain, or frost which affect flight safety.)

adutant *admin.* aide-de-camp, adjutant

AEI *int.* AEI (acoustic-electronic intelligence, abbreviation for: *akustičko-elektronsko izvidanje.*)

aerobalistika *av., ball.* aeroballistics (that branch of ballistics which deals with the trajectories of aerial bombs dropped from an aircraft in flight.)

aeročvor *AF* airfield force (the group of airfields in the zone of an air base for which the base is responsible in time of war, safeguarding the basing and combat activity of air units.) See also: airfield system *aerodromski čvor.*

aerodinamička vaga *phys.* aerodynamic balance (device for testing aerodynamic forces and optimum moments; simultaneous tests of three aerodynamic forces, frontal resistance, lateral force and lift plus three aerodynamic moments: rocking, prolation, and skewing.)

aerodinamičke kočnice *ac.* flaps, air brakes (plates or lattices mounted on wings or fuselage to increase air resistance and slow plane speed.)

aerodinamički napadni ugao *av.* aerodynamic angle of attack

aerodinamički proračun vazduhoplova *ac.* evaluation of aircraft aerodynamics (aerodynamic characteristics of aircraft components affecting an air frame are evaluated during the design phase to judge its flight capabilities, stability, steerability, and maneuverability on the basis of theory, technology, and wind tunnel experiments.)

aerodinamički tunel *ac., fac.* wind tunnel (in addition to general aerodynamic testing, models are tested for behavior in spins, free flight, vibration, and icing in open-exhaust or closed reverse-flow tunnels.)

aerodinamički vazduhoplovi *ac.* streamlined aircraft
See also: heavier-than-air aircraft *vazduhoplov teži od vazduha.*

aerodinamičko ispitivanje *ac., av.* aerodynamic testing (determines effect of aerodynamic forces on models of aircraft and other fixed and mobile objects in a wind tunnel, and on airplanes in flight.)

aerodinamičko opterećenje rakete *msl.* aerodynamic loading of rockets (loading resulting from effect of aerodynamic forces on the surface and shell of the rocket or missile.)

aerodinamičko upravljanje rakete *msl.* aerodynamic steering of missiles (steering resulting from aerodynamic forces acting on a control surface of an airborne vehicle with rudder {*krmila vazduhoplova*}; used at altitudes up to 30 km to turn an aerodynamic guided missile to the proper angle of attack.)

aerodinamičko zagrevanje rakete *msl.* aerodynamic heating of missiles or space vehicles (may reach 6,000–8,000 K on reentry into atmosphere at space velocities.)

aerodinamična vođena raketa *msl.* cruise missile

aerodinamični projektil *msl.* aerodynamic projectile (winged missile, type of unmanned, aircraft-like projectile.)

aerodinamika *phys.* aerodynamics

aerodinamika aviona *av.* airplane aerodynamics

aerodinamika nadzvučnog leta *av.* aerodynamics of supersonic flight

aerodinamika pogona rakete *msl.* aerodynamics of rocket propulsion (that part of aerodynamics treating air flow through the components of the propulsion assembly of a rocket with an air-breathing motor, which may cause loss of thrust.)

aerodinamika propelera *av.* propeller aerodynamics

aerodinamika velikih visina *av.* aerodynamics at very high altitudes

aerodrom *AF* airport, airfield

aerodrom baziranja *AF* air base, airfield

aerodrom za helikoptere *av.* heliport (facility designated for operating, basing, servicing, and maintaining helicopters.)

aerodromska centralna telefonska stanica *comms.* airfield central telephone exchange (an intermediary between subscribers and traffic-carrying communications; it was connected with the fixed communications center of the armed forces and the former Yugoslav post and telegraphs system.)

aerodromska kontrola letenja *AF* airfield air traffic control

aerodromska kula za upravljanje saobraćajem *av.* airport traffic control tower

aerodromska mreža *AF* airfield network (aggregate of airfields, in one country, on which air force aviation units are based.)

aerodromska oprema *eqpt.* airfield equipment (organized resources and installations directly supporting the mission and functions of the airfield: flight control, weather stations, runway cleaning and maintenance, aircraft servicing, and complete flight security.)

aerodromska podzemna telefonska kablovska mreža *comms.* airfield underground telephone cable network

aerodromska razmeštajna prostorija *av.* airfield deployment area, airfield distribution area (the area in which an airfield will be deployed for combat operations.) See also: airfield area *rejon aerodroma.*

aerodromska signalizacija *sigs.* airfield signaling (includes optical, acoustic, and pyrotechnic means.)

aerodromska sredstva veze *comms.* airfield means of communication

aerodromska zona *AF* airfield zone (interception, control, signal range, approach, etc.)

aerodromske inženjerijske jedinice *AF, mileng.* airfield engineer units

aerodromske veze *AF, comms.* airport communications (communications, commands, and units at an airport. Intended for direction and command, combined operation, reporting, notification, and flight security at an airport. Divided into internal and external. Airport communications are set up, established, and maintained by the signal unit of the command of the rear air force unit. Organized so as to rely on the stationary part of the communications system of the armed forces, the former Yugoslav postal, telegraph, and telephone system, and the communications systems of others.)

aerodromski čvor *AF* airfield complex, airfield system

aerodromski let *AF* airfield flight (flight of an aircraft in that airfield area which falls within the purview of the airfield's flight control for guidance and control.)

aerodromski manevar *AF, ops.* maneuver involving airfield facilities

aerodromski radar *AF, rdr.* airfield radar (a search radar intended to provide data on azimuth and range of aircraft in the air space subject to the airfield's flight control.)

aerodromski radio far *av.* airport beacon

aerodromski toranj *AF* airfield control tower

aerodromsko skladište *AF, AD* hangar (type of storage facility at an air base {*vazduhoplovna baza*} for placement and storage of aircraft, aircraft supplies and equipment, and other supplies and equipment intended for direct supply to air-force and other units at the airport {*aerodrom*}. Organized by departments, by types and characteristics of materials, and the latter in principle by sectors for fuel, munitions, and other supplies. Appropriate facilities are built for the placement and storage of these supplies in peacetime. Under wartime conditions some of the supplies are dispersed under tents or in field-type structures. The highest command of the air and air defense forces determines the types and quantities of reserves of materiel stored in hangar, and the air base organizes replenishment and delivery.)

aerodromsko upravljanje *av.* airport control

Aerodžet *av., fac.* Aerojet (i.e., Aerojet-General Corporation, U.S. firm.)

aerofilm *ac., phot.* air photography film

aerofoto-celina *AF, phot.* composite aerial photographs, aerial photographic panoramic coverage

aerofoto-centar *AF, phot.* aerial photographic center

aerofoto-dešifrant *AF, phot.* aerial photointerpreter

aerofotografisanje *AF, phot.* aerial photography

aerofotogrametrija *AF, phot.* aerial photogrammetry, air-based photogrammetry

aerofotogrametrijska kamera *AF, phot.* aerial photogrammetric camera (specially designed camera for taking photographs from an airplane or other airborne platform which meet the requirements of aerial photogrammetry.)

aerofoto-izveštaj *phot., int.* airborne photoreconnaissance report (report derived from three phases of photointerpretation.)

aerofoto-izvidački sistem *ac., phot., int.* aerial photoreconnaissance system (the assemblage of devices and manned organizations brought together to process as quickly as possible the data obtained from interpretation of aerial photographs. It includes detection and photography equipment, e.g., sensor devices, aerial cameras, thermal scanners, and side-looking radar, organizations and personnel for technical processing, e.g., airborne photoprocessing gear and ground laboratories, and devices and personnel for delivering photography, e.g., wireless photography and television cameras, sections and organizations for tactical processing and delivery of interpreted photographs.)

aerofoto-izvidački podvesnik *ac., phot., int.* airborne photoreconnaissance pod (an aerodynamically shaped housing for photoreconnaissance equipment suspended from a reconnaissance or combat aircraft.)

aerofoto-izvidanje *AF, phot.* aerial photoreconnaissance

aerofoto-kamera *AF, phot.* aerial camera

aerofoto-karta *ac., phot., carto.* aerial photograph map (reproductions of aerial photographs, aerial photographs of linear targets, or strips of aerial photographs overlaid with a grid, and inscribed with place names and symbols for topographic features to prepare for high-altitude attacks by combat aircraft or helicopter landings.)

aerofoto-laboratorija *AF, phot.* aerial photolaboratory

aerofoto-marš-ruta *av., phot.* aerial photograph route strip map, aerial photographic mission plan

aerofoto-oprema *AF, phot.* aerial photographic equipment

aerofoto-sekcija *AF, phot.* aerial photographic section

aerofoto-shema *ac., phot.* aerial photograph diagram (a drawing with attached aerial photographs, aerial photographs of linear targets, or strips of aerial photographs, indicating basic topographic features and data of tactical significance to provide clarity not offered by the photographs themselves.)

aerofoto-skica *ac., phot.* aerial photograph sketch (a drawing with attached aerial photographs, aerial photographs of linear targets, or strips of aerial photographs, indicating topographic features and data of tactical significance, made when rapid delivery of data and targets is needed, as in attachments to aerial photoreconnaissance reports or orders.)

aerofoto-sluz̄ba *AF, phot.* aerial photographic service

aerofoto-snimak *AF, phot.* aerial photograph (vertical or panoramic.)

aerofoto-snimanje *AF, phot.* aerial photography (the action of.)

aerofoto-stereopar *ac., phot.* stereo pair of aerial photographs (show the same object photographed from separate points, providing an impression of three-dimensionality when viewed together.)

aerokino-foto-kamera *AF, phot.* aerial motion-picture camera

aeroklub¹ *av., tng.* flying club, air club (air sports organization with mass appeal, to develop powered flight navigation, gliding, parachuting, or modeling, with races, relays, and air shows. It is a source for entrants to civil and military flight schools, the aircraft industry and labor organizations, and replacements for air combat, air defense, and territorial defense units.)

Aeroklub² *av., tng.* Flying Club (social, sport, and technical association that fostered powered and glider flight, sport parachuting and rocketry, and modeling from 1948–1975; predecessor of Yugoslav Air Union {*Vazduhoplovni savez Jugoslavije*}).

aerologija *met.* aerology (the branch of meteorology dealing with the means and methods of studying the constituents and structure of the upper atmosphere.)

aerološka merenja *met.* aerologic measurements (the measurement of the physical characteristics of the atmosphere at different altitudes, e.g., wind direction and speed, pressure, temperature, humidity, using radiosondes {*radio-sonda*}, pilot balloons {*pilot-balon*}, weather radars {*meteorološki radar*}, meteorological rockets {*meteorološka raketa*}, weather satellites {*meteorološki satelit*}, and specially equipped aircraft.)

aeromehanika *av., mech.* aeromechanics (a branch of mechanics and fluid mechanics including aerodynamics and aerostatics which studies the laws of motion and rest in gases and the interaction of gases and solid particles therein.)

aeromiting *ac., para.* air show (a public demonstration of the capabilities of aircraft, gliders, and pilots in performing acrobatics, the capabilities of aircraft models, and specially prepared parachute jumps.)

aeronavigacija *av., navig.* aerial navigation See also: aircraft navigation *vazduhoplovna navigacija*.

aeroprofil *AF* aerodynamic flight profile (vertical plane.)

aerosnimak *ac., phot., int.* aerial photograph (an image of the ground made from an airborne vehicle, for reconnoitering an enemy, preparing maps, studying terrain, or executing certain tasks.) See: aerial photogrammetry *aerofotogrametrija*.

aerosol *CW* aerosol

aerosolna bomba *CW* aerosol bomb (aerosol-generating munition.)

Aerospacial *ac., fac.* Aerospatiale (French abbreviation for Société Nationale Industrielle Aérospatiale, a French company producing aircraft and missiles.)

aerostat *av.* aerostat (balloon, dirigible or similar aircraft lifted by buoyancy of surrounding air instead of aerodynamic motion.)

aerostatički vazduhoplovi *ac.* lighter-than-air aircraft

aerotriangulacija *phot.* aerial triangulation (a process in photogrammetry for increasing the number of reference points or establishing the coordinates of other individual points on the basis of a strip or block of aerial photographs.)

aerozagadenje *met.* air pollution (all physical, chemical, radiological, or biological changes in the constitution or condition of the atmosphere, whether natural or man-made.)

afekt *med.* affect (sudden, strong emotional reaction such as panic with loss of contact with reality, which can appear in members of the armed forces in a state of exhaustion from hard wartime activities, resulting in destruction of property, conflict with superiors, and disobedience of orders.)

afel aphelion

Afrička sakagija *vet.* African glanders (a chronic infectious disease of hoofed animals with suppurating inflammation of the lymph vessels and nodes. Eradicated in Yugoslavia in 1952.)

agent *int.* agent (clandestine intelligence collector.)

agent dvojniki *COA* double agent (agent working simultaneously with two or more intelligence, military intelligence, or counterintelligence services, engaged after discovery of his work for the contrary service or his placement therein.) Also called: double play combination *dvojna igra-kombinacija*.

agent provokator *COA* agent provocateur (an agent who by means of challenges, threats, harangues, or incentives moves members of the armed forces or the population to activities which disclose their attitudes and intention and then reports this to his intelligence service. Such work is especially dangerous in wartime or crises, when situations could arise within the population or armed forces intensifying discontent and leading to rebellion.)

agent za vezu *int.* liaison agent (an agent maintaining connection between an intelligence service or center and another agent, employed particularly under wartime conditions.)

agentura *int.* clandestine service (organization which assigns secret agents to nets which assign and control them.)

agenturna mreža *int.* agent network

agenturna tehnička sredstva *COA* technical means of espionage (equipment used by agents to collect and verify secret information, e.g., phonographic, photographic, television, cinematic, and deliver it, e.g., wired and wireless communications, chemical and messages, most often to immediate superiors.)

agenturne vesti *COA* espionage information (information about foreign countries and their armed forces, personalities, and events obtained by agent networks {*agenturna mreža*} intended for authorities, or worldwide consumption for propaganda purposes.)

agenturni rad, *int.* espionage work (all types of activity by intelligence or military intelligence services or counterintelligence services against foreign countries, armed forces, or organizations performed by agents or in agent networks.)

agenturni izveštaj *int.* espionage report (written, graphic, photographic, phonographic, or oral reports from agents of interest to intelligence services.)

agenturni podaci *int.* espionage data (data usually concerning governmental or military data from an agent source, either in original or photocopied documents or in reports.)

agenturni rad *int.* clandestine operations

agenturno izvidanje *int.* reconnaissance by agents (collection of intelligence data by agents.)

agitacija *polit.* agitation, propaganda (organized political influencing of the masses to win them over to certain ideas and clearly and directly incite them to action. It stimulates the development of military discipline, comradeship, and unity, the performance of tasks to strengthen combat readiness in the armed forces and realize the concepts of national defense.)

agitaciona vazduhoplovna bomba *ac., polit.* airborne propaganda bomb See also: propaganda aerial bomb *propagandna vazduhoplovna bomba*.

agitaciono-propagandno sredstvo *polit., hist.* political agitation and propaganda medium

agregat *mech.* self-powered machine set (e.g., motor-generator set; a combination of two or more machines, one providing motive or mechanical power, e.g., electric motor, steam engine, or gas turbine, and the other converting it, e.g., a generator, compressor or pump. Electrical generator sets are used for lighting, exciting radars, computers, and communications equipment, driving machinery in mobile workshops, and charging batteries; compressor and pump sets are used to drive pneumatic tools and pumps.)

agregatni princip opravke *mileng., tech.* the remove-and-replace system of maintenance (wherein units are removed and replaced, and the old unit discarded, repaired, or overhauled elsewhere.)

agregatni princip remonta *log.* repair by replacing assemblies (a process used in general repair {*generalni remont*} programs for replacing damaged assemblies, e.g., motors and other complex assemblies, with new or refurbished ones; damaged units are repaired, but not replaced in the units from which they were taken.)

agresija aggression

agresivni pritisci *polit.* aggressive pressures (forceful actions taken by one or more foreign governments against others, to force economic, territorial, or political concessions; these take the form of threats {*pretnja*}, making a show of armed force, conducting large-scale combined exercises, and concentrating strong groups in border regions.)

agresor aggressor

agroindustrijski kompleks *econ.* agroindustrial complex (agriculture, fishery, and forestry and related industries, production of machinery and seed, food processing, textile, leather and lumber industries. More broadly it includes marketing, hospitality, transportation, and banking supporting the complex.)