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General terminology of air traffic management

空中交通管理通用术语

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2 Normative references

This document has no normative references.

4 Airspace Management Terminology

4.1 airspace structure The way in which the various components of airspace are combined with each other.

Note. This usually includes the corresponding geographical location, scope, shape, type, name, code, service hours, usage restrictions, etc.

4.2 airspace capacity The maximum number of aircraft that can be received in a specific airspace per unit of time.

4.3 airspace control To ensure the orderly implementation of combat operations, management and control of battlefield airspace are carried out.

4.4 airspace control plan A plan developed to organize and implement airspace control.

Note. This mainly includes the airspace control organizational structure, regional division, airspace structure, coordination requirements, regulations and standards, spatiotemporal reference, and emergency response.

4.5 airspace control order Mandatory instructions that clearly define the specific methods or requirements for the use of airspace.

Note. This mainly includes the review status of airspace demand and airspace allocation information, as well as airspace coordination and usage requirements.

4.6 airspace reservation For flight activities that cannot be provided with standard air traffic control services, a portion of airspace will be reserved in advance within a certain time frame, and relative measures will be taken. A dynamic airspace management and coordination mechanism for isolated flights.

4.7 Controlled airspace The airspace that provides air traffic control services for aircraft.

4.8 Consultation airspace Airspace that provides air traffic information services for aircraft.

4.9 waiting airspace holdingarea Airspace designated for aircraft to wait in the air.

Note. This is divided into airport holding airspace and en route holding airspace. The purpose is to arrange flight sequences, control air traffic flow, adjust flight intervals, wait for favorable weather, etc., to ensure... Ensure that all types of flights proceed in an orderly manner.

4.10 control area The controlled airspace extending upwards from a certain defined boundary above the Earth's surface.

5 Terminology for Air Traffic Flow Management

5.1 Flightflow The number of aircraft flights passing through a designated airspace or designated point per unit of time.

5.2 Air traffic flow management (ATFM) For the purpose of ensuring the safe, orderly, and rapid flow of air traffic, this is achieved by ensuring the maximum utilization of air traffic control capacity and ensuring smooth traffic flow. A service whose throughput is consistent with the declared control capacity of the relevant air traffic service authority.

5.3 Flow control Used to regulate traffic flow entering a designated airspace, flying along a designated route, or heading to a designated airport, thereby ensuring the most efficient use of... Use airspace measures.

5.4 air traffic control capacity The maximum number of aircraft sorties that an airspace and airport can receive within a specific time period.

5.5 Collaborative decision-making (CDM) To improve the effectiveness of air traffic management and address issues in air traffic flow management, stakeholders in the air traffic control system seek to combine... A working mechanism for determining solutions by taking into account the needs of all parties.

5.6 Flight and flow information for a collaborative environment; FF-ICE All participants in air traffic management communicate and notify each other of flights within the collaborative environment envisioned in the global air traffic management operational concept. The flight and traffic information required for management and coordination.

Note. FF-ICE can refer to a single flight (a single flight) or multiple flights (each flight contains its own flight and traffic information in FF-ICE).

5.7 Global Unique Flight Identifier (GUFI) A globally unique reference identifier used to represent flight and traffic information services within a collaborative environment associated with a specific flight.

6 Air Traffic Service Terminology

6.1 Air traffic service (ATS) Flight information services, alert services, air traffic information services, air traffic control services (area control services, approach control services, or...) A general term encompassing various meanings, including airport control services.

6.2 Flight Information Service A service that provides advice and intelligence to ensure safe and efficient flight operations.

6.3 Alert service Notify relevant organizations of information regarding aircraft requiring search and rescue, and assist these organizations' services as needed.

6.4 Air traffic advisory service Within the consultation airspace, to ensure as much as possible that aircraft operating in accordance with instrument flight rules flight plans maintain the prescribed or safe intervals. The service provided is separated from the service provided.

6.5 air traffic control service Services provided for the following purposes.

- a) Preventing collisions between aircraft and between aircraft and obstacles;
- b) Maintain and expedite the orderly flow of air traffic.

6.6 area control service Air traffic control services provided for controlled flights within the controlled area.

6.7 Approach control service Air traffic control services provided for controlled flights arriving at or departing from the airport.

6.8 Airport control service Air traffic control services provided for aircraft flying near the airport that are not subject to approach control services.

6.9 Automatic Terminal Information Service (ATIS) A service that automatically provides current routine information to arriving and departing aircraft 24 hours a day or within a specified time period.

Note. This generally includes data link automated terminal intelligence service and voice automated terminal intelligence service.

6.10 Datalink-Automatic Terminal Information Service (D-ATIS) Automated terminal intelligence services provided via data links.

6.11 Voice-Automatic Terminal Information Service (VATIS) An automated terminal information service provided through continuous, repetitive voice broadcasts.