

## **ИСПОЛЬЗОВАНИЕ АББРЕВИАТУР В АВИАЦИОННОЙ ОТРАСЛИ**

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Актуальность данной статьи обусловлена потребностью изучения аббревиатур авиационного английского языка на фоне стремительного развития мировой аэрокосмической промышленности, внедрения передовых авиационных технологий и расширения международного сотрудничества в сфере авиации. В научной работе рассмотрено использование аббревиатур в общем, их роль в современном обществе, а также в конкретно взятой отрасли - авиации.

Ключевые слова: аббревиатуры, авиация, использование аббревиатур, аббревиатуры в авиации, классификация аббревиатур, роль аббревиатур в современном мире, сокращенные слова, употребление аббревиатур.

## **ABBREVIATIONS USAGE IN AVIATION SPHERE**

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The relevance of this article is due to the need to study abbreviations of aviation English against the background of the rapid development of the global aerospace industry, the introduction of advanced aviation technologies and the expansion of international cooperation in the sphere of aviation. The scientific work examines the use of abbreviations in general, their role in modern society, as well as in a specific industry - aviation.

Key words: abbreviations, aviation, the use of abbreviations, abbreviations in aviation, the classification of abbreviations, the role of abbreviations in the modern world, abbreviated words, the use of abbreviations.

One of the most important features of the development of the modern English language is the tendency to education and the widespread use of various kinds of abbreviations, which is due to a number of reasons. Among the reasons for the widespread use of abbreviations are the scientific and technological revolution and social progress, the growth of the flow of information, and the use of electronic means of communication. Also, the reasons for the intensive use of abbreviations include the desire for linguistic economy, the appearance of new terms that pass from the language of science into colloquial speech.

The role of abbreviation in the modern world is difficult to overestimate. Abbreviations help to minimize speech efforts, language resources and time, while remaining understandable. Abbreviations are also necessary in order to simplify long names in official business speech. Abbreviations, becoming widespread in special areas, enter into speech with equal words.

Despite the fact that a significant number of works by Russian and foreign linguists are devoted to various aspects of abbreviation, abbreviated words common in aviation English remain poorly understood.

To study abbreviations and abbreviated words used in aviation English, we will determine the following questions:

1. Classification of abbreviations by structure and number of components;
2. Identification of homonyms and synonyms in abbreviations and abbreviated words;
3. Consideration abbreviated words;

4. Distribution of abbreviations and abbreviated words by thematic groups.

The following structural types of abbreviations can be distinguished in the aviation vocabulary of the English language:

- 1) alphabetic: *ANS - Astro Navigation System.*
- 2) alphanumeric: *B6 - Blue Airway Number 6.*
- 3) alphasigned: *FQP - Flying Qualities and Performances.*
- 4) sounded: *Laser - light amplification by stimulated emission radiation.*
- 5) syllabic:

a) with the connection of the initial syllables of phrases: *simfac - simulation facility.*

b) with a combination of letters and syllables: *feng - flight engineer.*

6) mixed (it consists of an abbreviated word and a letter abbreviation): *Uni FREDI - Universal Flight Range and Endurance Data Indicator.*

The following types of abbreviations are distinguished by the number of components:

- a) single-component: *H - helicopter.*
- b) two-component: *AN - Air Navigation; AR - Air Route.*
- c) three-component: *CCS - Cabin Communication System.*
- d) four-component: *HGAS - High Gain Avionics System.*
- e) five-component: *ATFPS - Air Traffic Flow Planning System.*
- f) six-component: *AIRCAT - Automated Integrated Radar Control Air Traffic.*
- g) seven-component: *STEDLEC - Study Turbofan Engine Designed Low Energy Consumption.*

There are also abbreviated words, the formation of which is shortened:

- 1) some part of the word:
  - a) the beginning of the word: *copter - helicopter; etc.*
  - b) the middle of the word: *engr - engineer; cgo - cargo; etc.*
  - c) the final part of the word: *nav - navigation; gyro - gyroscope; etc.*
- 2) some letters of the word: *ckpt - cockpit; dspch - dispatcher; etc.*

In aviation English, homonyms are widely used among abbreviations and abbreviated words. Let's look at the following example:

*FME:*

- a) *Field Maintenance Equipment;*
- b) *Frequency Measuring Equipment.*

Abbreviated words are also characterized by homonymy. Consider the abbreviated word as an example *nav*:

- 1) *naval - (военно) морской;*
- 2) *navigation - навигация;*
- 3) *navigational - навигационный;*
- 4) *navigator - штурман;*
- 5) *navigational (aid) - навигационное средство;*
- 6) *navy - военно-морские силы.*

Thematic groups have been identified, which include abbreviations and abbreviated words:

1. Air vehicles:
  - a) airplanes: *LTA - Light Transport Aircraft; AHMA - Advanced Hypersonic Manned Aircraft.*
  - b) helicopters: *HLH - Heavy Lift Helicopter; ALH - Advanced Light Helicopter.*
  - c) flying machine: *AAV - Autonomous Air Vehicle; SSBJ - Supersonic Business Jet; GFV - Guided Flight Vehicle.*
2. Engines: *TBE - Turbine Bypass Engine; ABE - Air Breathing Engine; DLE - Direct Lift Engine; JE - Jet Engine.*
3. Organizations: *FAA - Federal Aviation Agency; IASA - International Air Safety Association; CAPC - Civil Aviation Planning Committee.*
4. Management and control systems: *ATC - Air Traffic Control; ANMS - Aircraft Navigation and Management System.*
5. Devices: *SLR - Side Looking Radar; AWR - Airborne Weather Radar.*
6. Equipment: *ACE - Altimeter Control Equipment; DME - Distance Measuring Equipment.*
7. Processes: *HTO - Horizontal Take-off; VTO - Vertical Take-off.*

The need for such classifications is due to the desire for a systematic study of abbreviated words used in the aviation vocabulary of the English language.

Nowadays, the reason for the intensive development of aviation abbreviations can be considered the improvement of aviation technologies, where the need for the nomination of complex names increases, in this regard, a large amount of information appears that needs to be adequately and economically expressed, as well as translated.

#### СПИСОК ЛИТЕРАТУРЫ

1. Аббревиатуры и усеченные слова в авиационной лексике английского языка [Электронный ресурс]. — Режим доступа: <https://cyberleninka.ru>. — Дата доступа: 22.01.2024.
2. Особенности перевода аббревиатур авиационных терминов с русского языка на английский [Электронный ресурс]. — Режим доступа: <https://interactive-plus.ru>. — Дата доступа: 22.01.2024.