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English for Aviation Purposes

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Annotation:

This article provides a general introduction to Aviation English, covering the importance of language in aviation, the types of language used in aviation, relevant writings on the subject, and suggestions for improving our knowledge and usage. It is aimed at aviation professionals rather than language specialists. Furthermore, the research analyzes the implications for training, communication protocols, and human factors considerations in aviation, highlighting the role of cognitive linguistics in improving safety and efficiency in this complex and dynamic area.

Keywords: English, aviation, specific purposes, cognitive aspect, aviation standard, pilot, ATC, language barrier, linguistic understanding.

I. Introduction

Aviation encompasses a wide range of tasks, including analyzing compressible fluids, and approval for takeoff. Aviation English refers to the particular usage of English required for these different occupations. Aviation English is widely used in aviation and aerospace education, regulation, standards, and research. Aviation specialists that rely heavily on language might benefit from understanding the nuances of Aviation English and accessing appropriate resources. Aviators` language is often linked with pilots in cockpits speaking with air traffic controllers following established protocols to preserve order in the skies. There is more to the use of Aviation English.

In aviation, language is used in a variety of contexts, including emotions, physical abilities, and technical knowledge. Aviation receives greater attention than other areas due to safety concerns during flight and in aircraft maintenance. Failure to utilize suitable terminology might result in fatalities.

Aviation English use encompasses the following subject areas:

1. Flight:

Air Traffic Control;

Flight Services.

2. Technology:

Airframe and Powerplant Mechanics;

Avionics;

Aircraft Manufacture;

Flight Line Operations.

3. Engineering:

Aeronautical Engineering;

Aerospace Engineering.

4. Business:

Airline / Charter Services;

Fixed Based Operations;

Airport Management;

Marketing.

5. Education / Training:

Flight;

Maintenance;

Engineering;

Business Administration.

Aviation English's concentration on content creates more questions than answers concerning its nature and functionality. To thoroughly examine and comprehend language use, it's important to consider the entire process of creating and transmitting meaning. To define Aviation English, it's important to analyze who is using the language, what activities are taking place, and what function the language serves. This leads to the notion of registering.

II. Materials and methods

Language use requires users to have a common understanding of meaning. Successful language users must be able to grasp and generate acceptable terminology, including vocabulary and grammar. To effectively use language, individuals must possess knowledge outside the sphere of action in question. A functional viewpoint of language is most effective for characterizing and applying registers of language, since it applies to both broad and limited applications of English. According to Halliday (1994), language usage encompasses three aspects of meaning: content, interchange, and organization.

Content refers to the language used to express participants, actions, and conditions. The limited register of tower communications refers to the air traffic control phraseology used by pilots and controllers.

In specific language use scenarios, meaning is also exchanged. This refers to the exchange of meaning between information and “goods and services”. Statements and questions are common ways to share information. Goods and services are exchanged orally through offers and orders, which are requests for action. The interpretation of language is influenced by several factors, including the context of use. The interaction of language users is crucial. In an airplane cockpit, the

language used by the first and second officers affects the wording of questions, offers, demands, and remarks.

Language users require control over word organization to create coherent and meaningful sentences. To receive a flight clearance, follow a certain verbal sequence or use a pre-flight checklist.

Language acquisition and use depend on common meaning, which includes content, interchange, and arrangement. Language usage requires simultaneous comprehension (hearing or reading) and production (writing or speaking) to be effective.

Tower communication users, including controllers and pilots, should get initial conceptual training that covers language, interchange, and organization, as well as technical abilities. Hands-on experience, such as flying an aircraft or managing it in a control tower, is most effective in improving language proficiency. Situational language learning involves mixing content, meaning exchange, and action training to meet the needs of the context.

III. Results and discussion

We need to learn more about Aviation English, including pilot / crew and pilot-co-pilot communications, as well as non-flight language usage during aircraft maintenance. To fulfill future demands, it's important to share existing knowledge and research areas of uncertainty. Several writers have provided helpful advice to guide us forward. According to Linde (1988, p. 397), studying communication efficiency quantitatively is a fundamental aspect of discourse analysis. There is no study on the restricted register of ATC. According to Hirayama-Grant and Sedgwick (1978, p. 323), there is a need for a more effective analytical framework to address linguistic variance in instructional materials. Vatsndal's groundbreaking work provided the foundation for this paradigm. The idea of register allows for a comprehensive investigation of linguistic and discursive elements to comprehend a given register, such as the language of the air. Vatnsdal states that his data was collected from a single source and cross-checked with appropriate textbook examples. According to his findings (1987, p. 47), there were few significant discrepancies between the model and genuine cases.

Flight attendants must be fluent in English to ensure passenger safety. Researching aviation vocabulary, sometimes known as airspeak, can help define communication standards (Sullivan & Griginer 2002). The key purpose is to prevent unclear terminology while also achieving aviation safety and security objectives.

“Even within a single language, terminology and phrasing need to be standardized, to avoid ambiguity, and greatly effort have been made to develop such a system for English, widely called Airspeaks” (Crystal 2003; p. 109).

Despite differences in airline protocols and policies, flight attendants employ vocabulary to communicate effectively. “Over 180 nations worldwide have adopted the recommendations of the International Civil Aviation Organization (ICAO) about English Terminology” (Crystal 2003, p. 109).

Understanding airline language helps flight attendants maintain safety, security, and provide excellent service to passengers. To improve communication with the cockpit crew, flight attendants must master a specific language. Improved terminology can lead to clearer professional communication. Here are five instances of terms used onboard.

1. Terminology for flight safety and emergencies
2. Terminology for Onboard Services
3. Terms for emergency and service equipment.

4. Terms for check-in and bookings
5. Terminology for first aid, drugs, symptoms, and medical treatment

Language limits are implemented in aviation to prevent communication breakdowns during safety and emergency situations (Sullivan & Griginer 2002). The team communicates using technical jargon and codes. Messages are simplified to preserve the situation's significance. Terminology explains how to address jargon or technical phrases specific to a profession. The aviation sector prioritizes safety and security for aircraft, crew, and passengers.

IV. Conclusions and recommendations

This article introduces Aviation English, focusing on the limited register used for tower communication. The examination of chosen readings aims to offer a comprehensive understanding of this language use. Finally, it has pushed an effort to create and analyze an Aviation English corpus. Miscommunication is common in aviation, a sector that relies heavily on English. This paper finishes with an example about a student pilot with low English proficiency who requested permission from the tower to enter the traffic pattern for landing. Aviation professionals should aim to strengthen and promote a shared knowledge of Aviation English. Acquiring aviation terminology, especially in a foreign language, is crucial for students' professional competence and successful communication. It also contributes to the formation of a specialist's professional image in their minds.

References

1. Halliday, M. (1994). An introduction to functional grammar. London: Arnold.
2. Linde, C. (1988). The quantitative study of communicative success: Politeness and accidents in aviation discourse. Language in Society, 17(3), 375-399.
3. Hirayama-Grant, G., & Sedgwick, M. (1978). ESP syllabus design processes in retrospect. In M. T. Trimble, L Trimble, & K. Drobnic (Eds.), English for spec@ purposes: Science and technology (pp. 322-336). Corvallis, OR: English Language Institute, Oregon State University.
4. Vatnsdal, A. 0. (1987). Register analysis: The language of air traffic control. Occasional Papers in Systemic Linguistics, 1.43-83.
5. Crystal, D. (2003). English as a World Language. Cambridge: CUP.
6. Crystal, D. (2013). A Global Language. In English in the World (pp. 163-208).