



# Basic Aviation Phraseology

By Leonard



# Basics

- In civil aviation, the communication between pilots and controllers, pilots and ground crew or within flight crew usually follow **a standardized phraseology.**
- The communication tone tends to be concise but clear to ensure safety.
- **ICAO requires that English is the lingua franca for air-ground communication globally.**
- According to ICAO's investigation, more than 70% of the flight accidents and potential accidents are somewhat related to bad air-ground communication.



# Communication Techniques

- Rule to follow in air-ground communication:  
Before talking, each party should listen to the frequency to ensure the new call won't cut the above one.
- ✓ organize clear and brief messages
- ✓ pronounce each word clearly and correctly
- ✓ maintain a steady rhythm adapted to the situation.
- ✓ speak more slowly to pass a message which needs to be taken down.
- ✓ maintain the speaking volume at a constant level.



# Information Needed

- A series of information are exchanged through air-ground communication. They are mainly:
- Call sign/ Transponder / Aircraft type
- Flight-level / altitude / distance
- Wind speed/ Pressure/ Frequency/ Heading
- Runway and so on
- Departure/ Arrival airports and waypoints
- Action and clearance .....



# Aviation Alphabet

- When you need to spell out call sign, standard abbreviations or words, you must use the following table:

Letter	Spelling	Pronunciation
A	alfa	<u>AL</u> FAH
B	bravo	<u>BRA</u> VO
C	charlie	<u>CHAR</u> LI ou <u>SHAR</u> LE
D	delta	<u>DELL</u> TAH
E	echo	<u>ECK</u> OH
F	foxtrot	<u>FOKS</u> TROT



# Aviation Alphabet

Letter	Spelling	Pronunciation
G	golf	GOLF
H	hotel	HO <u>TELL</u>
I	india	<u>IN</u> DEE AH
J	juliett	<u>JEW</u> LI <u>ETT</u>
K	kilo	<u>KEY</u> LO
L	lima	<u>LEE</u> MAH
M	mike	<u>MIKE</u>
N	november	NO <u>VEM</u> BER
O	oscar	<u>OSS</u> CAH
P	papa	PAH <u>PAH</u>
Q	quebec	KEH <u>BECK</u>
R	romeo	<u>ROW</u> ME OH
S	sierra	SEE <u>AIR</u> RAH



# Aviation Alphabet

Letter	Spelling	Pronunciation
S	sierra	SEE <u>AIR</u> RAH
T	tango	<u>TANG</u> GO
U	uniform	<u>YOU</u> NEE FORM ou <u>OO</u> NEE FORM
V	victor	<u>VIK</u> TAH
W	wiskey	<u>WISS</u> KEY
X	x-ray	<u>ECKS</u> RAY
Y	yankee	<u>YANG</u> KEY
Z	zulu	<u>ZOO</u> LOO



## Other Principles

- If you have misunderstood the communication, ask your partner to repeat the message. **SAY AGAIN**
- If you have made a mistake, you must repeat the full message starting with the expression : **CORRECTION**
- When your interlocutor has finished their message, you confirm that the message was clear by saying : **ROGER**





# Exercise

- 1. U have 10 minutes to memorize the aviation alphabet.
- 2. Work with your partner. Student A tell student B his English Name, Place of Birth and favorite superstar( should be a foreigner) orally by using aviation alphabet.
- 3. Then change your role.



# Practice

- A M A Z I N G L Y
- F E W
- D I S C O T H E Q U E S
- P R O V I D E
- J U K E B O X E S
- Read the above words using aviation alphabet.



# How to read Numbers

- When you need to spell out numbers, the following table must be used :

Digit	In English	*Aeronautical pronunciation
0	Zero	ZE-RO
1	One	WUN
2	Two	TOO
3	Three	TREE
4	Four	FOW-er
5	Five	FIFE
6	Six	SIX
7	Seven	SEV-en
8	Eight	AIT
9	Nine	NIN-er
Decimal comma	Decimal	DAY-SEE-MAL
00	Hundred	HUN-dred
000	Thousand	TOU-SAND



# Rules to Be Taken

- According to the general rule (attached to the 27th of June 2000 decree, dealing with radiotelephony procedures used in general air traffic), transmission of numbers, except hundreds, thousands and hundreds and thousands combined, are done by
- spelling each digit separately.
- Example:
- 351: three five one
- 200: two hundred
- 5000: five thousand
- 2500: two thousand five hundred



# Rule to Be Taken

- Numbers with a decimal part are formulated by adding “decimal” before the decimal part.
- Example:
- 121,25: one two one decimal two five



# Practice

- Your partner is going to spell out to you the following numbers. If their spelling is correct, say “affirm”, otherwise say “negative”, and correct them :
- One two three four five seven decimal nine eight
- One two two decimal five
- Four seven six zero one
- One thousand
- *English Office* Three thousand five hundred



## Others

- **Times** are spelt out in English, but if there's no doubt, you need only spell the minutes ;
- Example:
- 09.20: zero nine two zero.
  
- **Runways** are spelt out in English;
- Example: runway 09: runway zero nine
- runway 27: runway two seven



# Others

- Wind is spelt out in English;

Example:

- 180/10: wind one eight zero degrees, one zero knots.





# Radio Callsign of Aircraft

- Operator + Flight Number
- CSN301      CCA174      CES7384

国际航空公司	CCA
东方航空公司	CES
南方航空公司	CSN