

# Ground Operator **Controller** COMMUNICATIONS

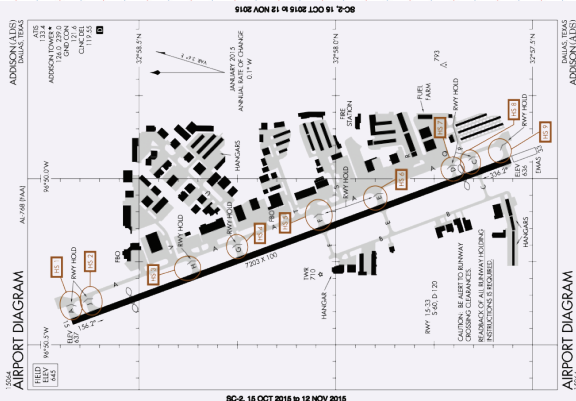
## KNOW THE LANGUAGE

Air Traffic Control (ATC) uses the phonetic alphabet and some numbers are spoken differently for clarity:









<b>A</b> LPHA	<b>I</b> NDIA	<b>Q</b> UEBEC	<b>Y</b> ANKEE
<b>B</b> RAVO	<b>J</b> ULIET	<b>R</b> OMEO	<b>Z</b> ULU
<b>C</b> HARLIE	<b>K</b> ILO	<b>S</b> IERRA	<b>3</b> TREE
<b>D</b> ELTA	<b>L</b> IMA	<b>T</b> ANGO	<b>5</b> FIFE
<b>E</b> CHO	<b>M</b> IKE	<b>U</b> NIFORM	<b>9</b> NINER
<b>F</b> OXTROT	<b>N</b> OVEMBER	<b>V</b> ICTOR	
<b>G</b> OLF	<b>O</b> SCAR	<b>W</b> HISKEY	
<b>H</b> OTEL	<b>P</b> APA	<b>X</b> RAY	

## KNOW WHERE YOU ARE AND WHERE YOU WANT TO GO

- If possible, use a GPS with aeronautical charts that show your position on the airport.
- Have a copy of the airport diagram and use a highlighter to mark your route after getting ATC clearance.
- Note hotspots on the diagram as areas that are particularly confusing.



# GROUND OPERATIONS

Type of Sign	Action or Purpose	Type of Sign	Action or Purpose
<b>4-22</b>	<b>Taxiway/Runway Hold Position:</b> Hold short of runway on taxiway		<b>Runway Safety Area/Obstacle Free Zone Boundary:</b> Exit boundary of runway protected areas
<b>26-8</b>	<b>Runway/Runway Hold Position:</b> Hold short of intersecting runway		<b>ILS Critical Area Boundary:</b> Exit boundary of ILS critical area
<b>8-APCH</b>	<b>Runway Approach Hold Position:</b> Hold short of aircraft on approach		<b>Taxiway Direction:</b> Defines direction & designation of intersecting taxiway(s)
<b>ILS</b>	<b>ILS Critical Area Hold Position:</b> Hold short of ILS approach critical area		<b>Runway Exit:</b> Defines direction & designation of exit taxiway from runway
	<b>No Entry:</b> Identifies paved areas where aircraft entry is prohibited	<b>22 ↑</b>	<b>Outbound Destination:</b> Defines directions to takeoff runways
<b>B</b>	<b>Taxiway Location:</b> Identifies taxiway on which aircraft is located		<b>Inbound Destination:</b> Defines directions for arriving aircraft
<b>22</b>	<b>Runway Location:</b> Identifies runway on which aircraft is located		<b>Taxiway Ending Marker:</b> Indicates taxiway does not continue
<b>4</b>	<b>Runway Distance Remaining:</b> Provides remaining runway length in 1,000 feet increments		<b>Direction Sign Array:</b> Identifies location in conjunction with multiple intersecting taxiways

For more in-depth study download the FAA's ground vehicle operator guide:

[faa.gov/airports/runway\\_safety/media/Ground\\_Vehicle\\_Guide\\_Proof\\_Final.pdf](https://www.faa.gov/airports/runway_safety/media/Ground_Vehicle_Guide_Proof_Final.pdf)

- Ensure you receive and understand your clearance from ATC **BEFORE** you enter the movement area.
- If you get lost or confused, stop and ask for clarification. **DO NOT STOP ON A RUNWAY.**
- Read back all holding instructions.
- Always use your vehicle call sign in all transmissions.

## • DISCLAIMER •

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NATIONAL AIR TRAFFIC CONTROLLERS ASSOCIATION

