

### Air Traffic Control Communications:

What is communicated in each ATC message? Provide a written explanation accompanied by a diagram (use aeronautic chart symbology)

1. Delta one-niner, after departure turn right heading one-two-zero, runway three cleared for takeoff
2. United one-two-seven, turn right heading three-five-zero
3. American five-three-six, fly heading one-one-zero
4. United six-seven-eleven, turn right heading one-five-zero, join Victor ninety-seven
5. King Air seven-seven, fly runway heading, intercept radial three-two-zero Boiler VOR
6. Queen Air seven-tango, cleared for approach
7. King Air pappapa-uniform, cleared for ILS runway one-zero approach
8. America nine-twenty-one, cleared to land runway niner
9. Sport zero-two-romeo, maintain three thousand
10. Eastern six-fifty-seven, climb and maintain niner thousand
11. Clipper six ninety, descend and maintain flightlevel-three five-zero
12. Beech-eight-delta-mike, cleared to Chicago Midway airport via direct KNOX, then as filed
13. United seven-seven, unable routing requested, cleared to Chicago O'Hare Airport, via direct Boiler, victor-seven Chicago Heights, direct
14. King Air four-pappapa-alpha, report crossing Danville one-two-seven radial, three-six mile fix
15. United seven-seven, hold northwest of the Boiler VOR on the three-two-three radial, expect further clearance at one-two—five zulu