ATC Radio Communication Study Guide

Frequencies at Billings:

Ground – 121.9
Tower – 127.2
Approach/Departure – 120.5
Rocky – 123.5
Laurel – 123.05

International Standard Traffic Signal Light Patterns

Color and Type of Signal	Movement of Vehicles, Equipment and Personnel	Aircraft on the Ground	Aircraft in Flight
Steady Green	Cleared to cross, proceed or go	Cleared for takeoff	Cleared to land
Flashing Green	Not applicable	Cleared for taxi	Return for landing (followed by steady green)
Steady Red	STOP	STOP	Give way to other aircraft and continue circling
Flashing Red	Clear the taxiway/runway	Taxi clear of the runway in use	Airport unsafe, do not land
Flashing White	Return to starting point on airport	Return to starting point on airport	Not applicable
Alternating Red and Green	Exercise Extreme Caution	Exercise Extreme Caution	Exercise Extreme Caution

ALPHA	NOVEMBER
BRAVO	OSCAR
CHARLIE	PAPA
DELTA	QUEBEC
ECHO	ROMEO
FOXTROT	SIERRA
GOLF	TANGO
HOTEL	UNIFORM
INDIA	VICTOR
JULIET	WHISKEY
KILO	X-RAY
LIMA	YANKEE
MIKE	ZULU

- AIM 4-2-2 Radio Technique:

1) "Listen before you transmit"
Be careful not to communicate over another person who is mid-communication.
Pause and listen before you speak

2) "Think before keying your transmitter"
Have an idea of what you would like to say, particularly if it is especially long

3) Check your microphone
Speak normally, but keep your mike close to your mouth.

4) "Be alert to the sounds, or the lack of sounds in your receiver." Check to make sure your microphone is not stuck, thus transmitting your every word for extended periods of time.

5) Be sure you are within radio range of the frequency you are attempting to transmit on.

In addition, please take time to visit the control tower. You can learn an abundant amount by speaking with your local controllers. They would welcome your visit.

Other resources include:

Section 1.1 (definitions) of the FAR
Rocky SOP
Chapter 12 of the Pilot's Handbook of Aeronautical Knowledge
Chapter 4 of the AIM

To listen to ATC communications from your computer visit:
www.liveatc.net