



PRIVATE PILOT GROUND SCHOOL

FUNDAMENTALS OF FLIGHT
LESSONS 1 - 3



AVIATION HISTORY

Wright Bros – 1903

Lindbergh – 1927

Yeager – 1947

Armstrong – 1969

Rutan – 1986

2018....

First Powered Flight

Non-Stop Solo Atlantic

Sound Barrier

Moon Landing

Non-Stop Round the World

???

THE FLYING EXPERIENCE



THE FLYING EXPERIENCE

AIRCRAFT OWNERS AND PILOTS ASSOCIATION

EXPERIMENTAL AIRCRAFT ASSOCIATION

THE NINETY-NINES

CIVIL AIR PATROL



AOPA

AIRCRAFT OWNERS AND PILOTS ASSOCIATION





AVIATION CAREERS

- **AIR TAXI**
- **AIRCRAFT SALES**
- **AERIAL PHOTOGRAPHY**
- **POWER AND PIPELINE**
- **AIR AMBULANCE**
- **FOREST SERVICE**
- **LAW ENFORCEMENT**
- **FLIGHT INSTRUCTING**
- **REGIONAL AIRLINES**
- **MAJOR AIRLINES**
- **CORPORATE**
- **MILITARY**
- **COAST GUARD**
- **AIR TRAFFIC CONTROL**

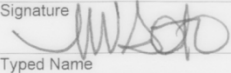
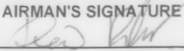


PRIVATE PILOT TRAINING PROCESS

- **WHAT IS THE FAA?**
- **WHAT ARE THE REQUIREMENTS TO BECOME A PILOT?**
- **WHAT ARE FLYING LESSONS LIKE?**
- **WHAT IS THE PRIVATE PILOT TRAINING PROCESS?**
- **HOW DO I GET A MEDICAL?**
- **DOES MY PILOT CERTIFICATE EXPIRE?**

REQUIREMENTS AND PRIVILEGES

- **CERTIFICATE REQUIREMENTS**
- **MEDICAL REQUIREMENTS**
- **CURRENCY REQUIREMENTS**
- **PRIVILEGES AND LIMITATIONS**

UNITED STATES OF AMERICA Department of Transportation Federal Aviation Administration					
MEDICAL CERTIFICATE THIRD CLASS					
This certifies that <i>(Full name and address)</i> : DAVID Glenn ROHRLICK Powell OH 43065 USA					
Date of Birth	Height	Weight	Hair	Eyes	Sex
02/28/19	68	298	BROWN	HAZEL	M
has met the medical standards prescribed in part 67, Federal Aviation Regulations, for this class of Medical Certificate.					
Limitations	None				
Date of Examination 08/13/2013			Examiner's Designation No. 016		
Examiner	Signature 				
	Typed Name MARIA V SOTO, DO				
AIRMAN'S SIGNATURE 					
Applicant ID: 199654			Control No.: 20000610		
FAA Form 8500-9 (9-08) Supersedes Previous Edition NSN: 0052-00-670-7002					

REQUIREMENTS AND PRIVILEGES

ENDORSEMENTS

HIGH PERFORMANCE

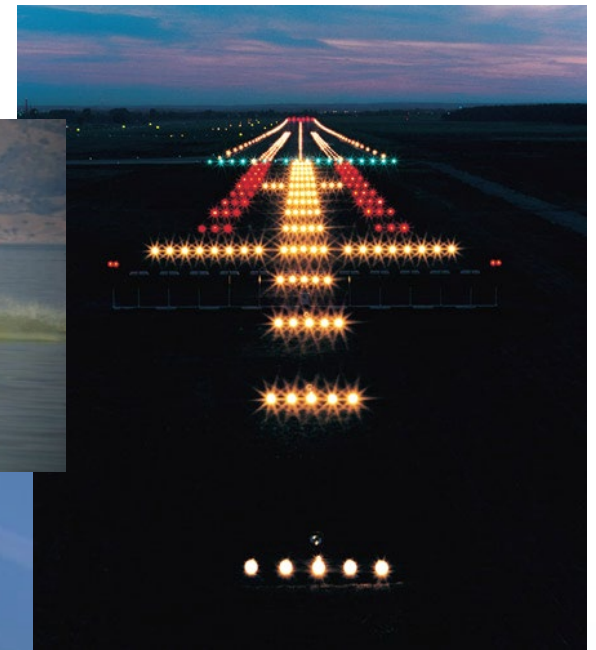
COMPLEX

TAILWHEEL



ADD'L RATINGS AND CERTIFICATIONS

**INSTRUMENT
MULTI-ENGINE
SEAPLANE**





ADD'L RATINGS AND CERTIFICATIONS

CATEGORY – CLASS – TYPE

- **AIRPLANE**
 - **SINGLE-ENGINE
LAND**
 - C162, C172, PA28
 - **MULTI-ENGINE LAND**
 - PA44, BE76
 - **SINGLE-ENGINE SEA**
 - **MULTI ENGINE SEA**
- **ROTORCRAFT**
 - **HELICOPTER**
 - **GYROPLANE**

- **GLIDER**
- **LIGHTER-THAN-AIR**
- **POWERED-LIFT**

ADDITIONAL CERTIFICATES

- **COMMERCIAL**
- **CFI**
- **ATP**



HUMAN FACTORS TRAINING

TASK MANAGEMENT

AUTOMATION MANAGEMENT

AERONAUTICAL DECISION MAKING

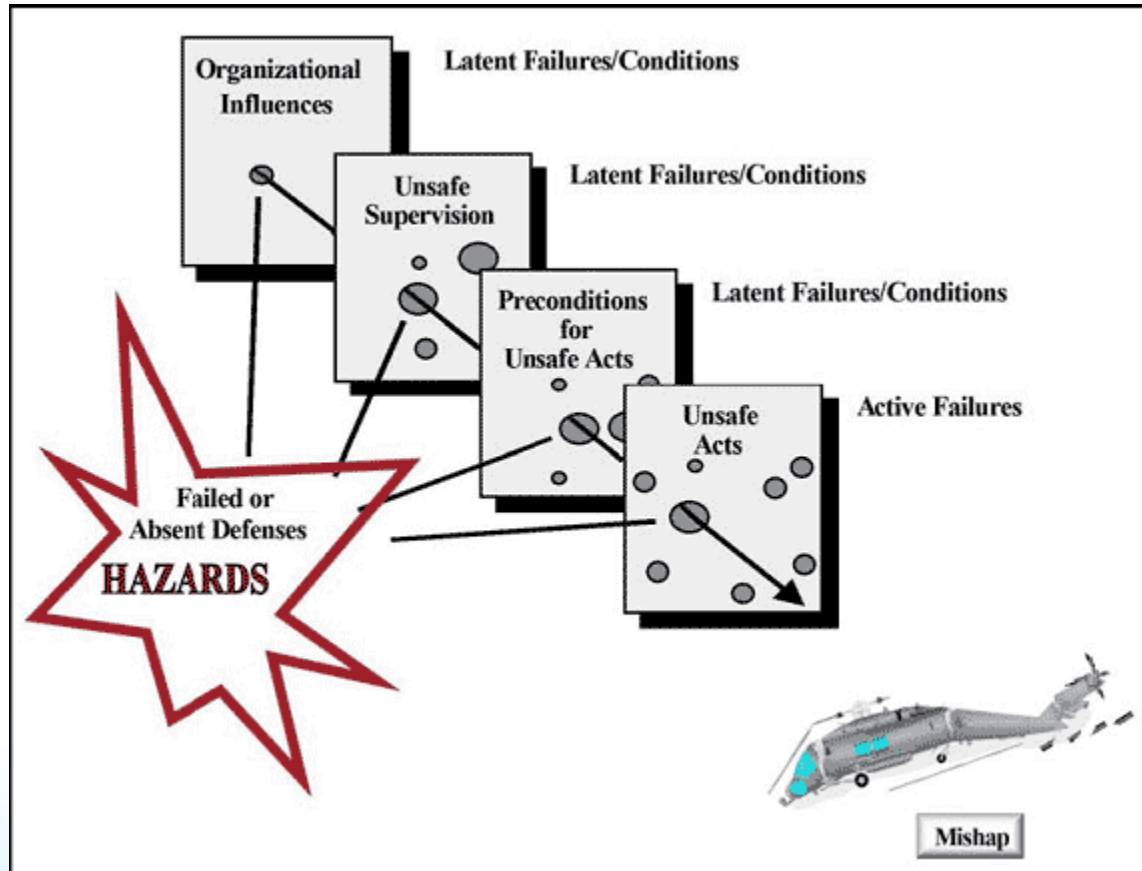
SITUATIONAL AWARENESS

CONTROLLED FLIGHT INTO TERRAIN

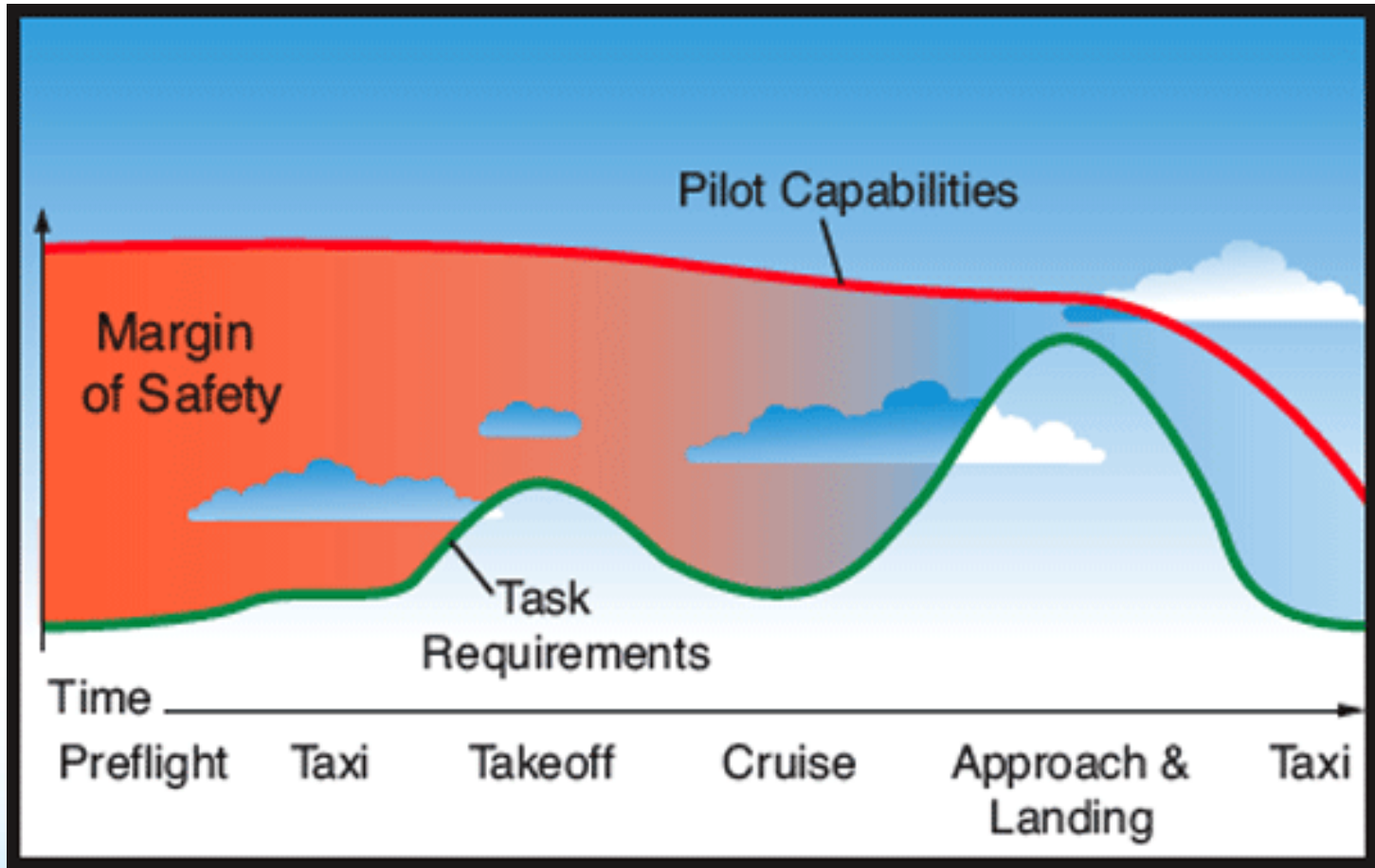
PILOT IN COMMAND RESPONSIBILITY

COMMUNICATION

RISK MANAGEMENT



SINGLE-PILOT RESOURCE MANAGEMENT





APPLYING SRM TO MANEUVERS AND PROCEDURES

THE 5 P'S

THE PLAN

THE PLANE

THE PILOT

THE PASSENGERS

THE PROGRAMMING



AVIATION PHYSIOLOGY

IMSAFE

ILLNESS

MEDICATION

STRESS

ALCOHOL

FATIGUE

EMOTION