

Flight Workshop 1—Controlling Your Aircraft

Mission

VFR local flight 1.0 to 1.5 hours

Introduce

- Flight planning considerations for a VFR local flight
- Normal flight procedures for a VFR local flight, including normal, crosswind, short- and soft-field takeoffs and landings
- Maneuvers, including steep turns, slow flight, power-off and power-on stalls
 - System safety concepts and tools

Objectives

The shaded areas in the tables indicate the minimum desired outcome level for this flight lesson.

Normal Flight Procedures

Within the context of the scenario, you will be able to perform normal flight procedures, including completing the appropriate checklists and flow patterns, while controlling the aircraft manually, for each phase of flight:

Pre-Takeoff

Procedure	Desired Outcome Level	
	Practice	Perform
Preflight inspection	<input type="checkbox"/>	<input type="checkbox"/>
Engine start	<input type="checkbox"/>	<input type="checkbox"/>
Before taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Before takeoff	<input type="checkbox"/>	<input type="checkbox"/>

Takeoff and Climb

Procedure	Desired Outcome Level	
	Practice	Perform
Normal/crosswind takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Short-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Climb	<input type="checkbox"/>	<input type="checkbox"/>

Cruise

Procedure	Desired Outcome Level	
	Practice	Perform
Initial cruise	<input type="checkbox"/>	<input type="checkbox"/>
Enroute cruise	<input type="checkbox"/>	<input type="checkbox"/>

Descent and Landing

Procedure	Desired Outcome Level	
	Practice	Perform
Descent	<input type="checkbox"/>	<input type="checkbox"/>
Traffic pattern	<input type="checkbox"/>	<input type="checkbox"/>
Normal/crosswind landing	<input type="checkbox"/>	<input type="checkbox"/>
Short-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Flaps-up landing	<input type="checkbox"/>	<input type="checkbox"/>
Go-around	<input type="checkbox"/>	<input type="checkbox"/>
After landing	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown	<input type="checkbox"/>	<input type="checkbox"/>

Maneuvers

You will be able to configure the aircraft and execute the maneuver according to the correct maneuver configurations and the SOPs for:

Maneuver	Desired Outcome Level	
	Practice	Perform
Steep turns	<input type="checkbox"/>	<input type="checkbox"/>
Slow flight	<input type="checkbox"/>	<input type="checkbox"/>
Power-off stalls	<input type="checkbox"/>	<input type="checkbox"/>
Power-on stalls	<input type="checkbox"/>	<input type="checkbox"/>

System Safety

Within the context of the scenario, you will be able to use tools to manage risk, apply single-pilot resource management (SRM) tools and use the aeronautical decision-making (ADM) process to make and implement effective decisions.

Risk Management

Task	Desired Outcome Level	
	Practice	Manage/Decide
Manage risk before the flight using the 5P Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Manage risk during the flight using the 5Ps	<input type="checkbox"/>	<input type="checkbox"/>

SRM Tools

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use PIC Responsibilities tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Resource Use tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Workload Management tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Effective Communication tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Situational Awareness tools	<input type="checkbox"/>	<input type="checkbox"/>

Aeronautical Decision Making

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use the ADM process	<input type="checkbox"/>	<input type="checkbox"/>

Carry-Overs

Identify operations that will be included in this flight lesson for which the desired outcome level was not met in previous flight lessons.

Operation	Desired Outcome Level	
	Practice	Perform
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

Flight Workshop 2—Exploring Equipment Operating Levels

Mission

VFR (IFR Option) three-leg cross-country flight 2.0 to 2.5 hours

Introduce

- Flight planning considerations for a VFR (IFR option) cross-country flight
- Normal flight procedures for a VFR local flight, (IFR option) cross-country flight including normal, crosswind, short- and soft-field takeoffs and landings
- Instrument procedures (optional)
- The three equipment operating levels

Review

- System safety concepts and tools

Objectives

The shaded areas in the tables indicate the minimum desired outcome level for this flight lesson.

Normal Flight Procedures

Within the context of the scenario, you will be able to perform normal flight procedures, including completing the appropriate checklists and flow patterns, while controlling the aircraft manually, for each phase of flight:

Pre-Takeoff

Procedure	Desired Outcome Level	
	Practice	Perform
Preflight inspection	<input type="checkbox"/>	<input type="checkbox"/>
Engine start	<input type="checkbox"/>	<input type="checkbox"/>
Before taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Before takeoff	<input type="checkbox"/>	<input type="checkbox"/>

Takeoff and Climb

Procedure	Desired Outcome Level	
	Practice	Perform
Normal/crosswind takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Short-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>

Procedure	Desired Outcome Level	
	Practice	Perform
Soft-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Climb	<input type="checkbox"/>	<input type="checkbox"/>

Cruise

Procedure	Desired Outcome Level	
	Practice	Perform
Initial cruise	<input type="checkbox"/>	<input type="checkbox"/>
Enroute cruise	<input type="checkbox"/>	<input type="checkbox"/>

Descent and Landing

Procedure	Desired Outcome Level	
	Practice	Perform
Descent	<input type="checkbox"/>	<input type="checkbox"/>
Traffic pattern	<input type="checkbox"/>	<input type="checkbox"/>
Normal/crosswind landing	<input type="checkbox"/>	<input type="checkbox"/>
Short-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Power-off landing	<input type="checkbox"/>	<input type="checkbox"/>
Go-around	<input type="checkbox"/>	<input type="checkbox"/>
After landing	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown	<input type="checkbox"/>	<input type="checkbox"/>

Instrument Procedures (Optional)

Within the context of the scenario, you will be able to perform instrument procedures, including completing the appropriate checklists and flow patterns, while controlling the aircraft at the three equipment operating levels, for:

Procedure	Desired Outcome Level	
	Practice	Perform
Pre-IAF	<input type="checkbox"/>	<input type="checkbox"/>
Pre-FAF	<input type="checkbox"/>	<input type="checkbox"/>
FAF-inbound	<input type="checkbox"/>	<input type="checkbox"/>
Missed approach	<input type="checkbox"/>	<input type="checkbox"/>
Holding pattern	<input type="checkbox"/>	<input type="checkbox"/>

Equipment Operating Levels

You will be able to operate the avionics at each equipment operating level for each phase of flight.

Procedure	Desired Outcome Level	
	Practice	Perform
Level 1	<input type="checkbox"/>	<input type="checkbox"/>
Level 2	<input type="checkbox"/>	<input type="checkbox"/>
Level 3	<input type="checkbox"/>	<input type="checkbox"/>

System Safety

Within the context of the scenario, you will be able to use tools to manage risk, apply single-pilot resource management (SRM) tools and use the aeronautical decision-making (ADM) process to make and implement effective decisions.

Risk Management

Task	Desired Outcome Level	
	Practice	Manage/Decide
Manage risk before the flight using the 5P Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Manage risk during the flight using the 5Ps	<input type="checkbox"/>	<input type="checkbox"/>

SRM Tools

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use PIC Responsibilities tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Resource Use tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Workload Management tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Effective Communication tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Situational Awareness tools	<input type="checkbox"/>	<input type="checkbox"/>

Aeronautical Decision Making

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use the ADM process	<input type="checkbox"/>	<input type="checkbox"/>

System Safety

Within the context of the scenario, you will be able to use tools to manage risk, apply single-pilot resource management (SRM) tools and use the aeronautical decision-making (ADM) process to make and implement effective decisions.

Risk Management

Task	Desired Outcome Level	
	Practice	Manage/Decide
Manage risk before the flight using the 5P Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Manage risk during the flight using the 5Ps	<input type="checkbox"/>	<input type="checkbox"/>

SRM Tools

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use PIC Responsibilities tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Resource Use tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Workload Management tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Effective Communication tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Situational Awareness tools	<input type="checkbox"/>	<input type="checkbox"/>

Aeronautical Decision Making

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use the ADM process	<input type="checkbox"/>	<input type="checkbox"/>

Carry-Overs

Identify operations that will be included in this flight lesson for which the desired outcome level was not met in previous flight lessons.

Operation	Desired Outcome Level	
	Practice	Perform
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

Flight Workshop 3—Managing Abnormal and Emergency Situations with Automation

Mission

VFR (IFR Option) three-leg cross-country flight 2.0 to 2.5 hours

Introduce

- Using automation to manage emergency/abnormal procedures
- Executing a diversion
- Performing instrument procedures with automation (IFR option)

Review

- Planning a VFR (IFR option) cross-country flight
- Performing normal flight procedures for a VFR (IFR option) cross-country flight
- Using equipment operating levels
- Performing normal/crosswind, short- and soft-field takeoffs and landings

Objectives

The shaded areas in the tables indicate the minimum desired outcome level for this flight lesson.

Normal Flight Procedures

Within the context of the scenario, you will be able to perform normal flight procedures, including completing the appropriate checklists and flow patterns, for each phase of flight:

Pre-Takeoff

Procedure	Desired Outcome Level	
	Practice	Perform
Preflight inspection	<input type="checkbox"/>	<input type="checkbox"/>
Engine start	<input type="checkbox"/>	<input type="checkbox"/>
Before taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Before takeoff	<input type="checkbox"/>	<input type="checkbox"/>

Takeoff and Climb

Procedure	Desired Outcome Level	
	Practice	Perform
Normal/crosswind takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Short-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Climb	<input type="checkbox"/>	<input type="checkbox"/>

Cruise

Procedure	Desired Outcome Level	
	Practice	Perform
Initial cruise	<input type="checkbox"/>	<input type="checkbox"/>
Enroute cruise	<input type="checkbox"/>	<input type="checkbox"/>

Descent and Landing

Procedure	Desired Outcome Level	
	Practice	Perform
Descent	<input type="checkbox"/>	<input type="checkbox"/>
Traffic pattern	<input type="checkbox"/>	<input type="checkbox"/>
Normal/crosswind landing	<input type="checkbox"/>	<input type="checkbox"/>
Short-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Power-off landing	<input type="checkbox"/>	<input type="checkbox"/>
Go-around	<input type="checkbox"/>	<input type="checkbox"/>
After landing	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown	<input type="checkbox"/>	<input type="checkbox"/>

Instrument Procedures (Optional)

Within the context of the scenario, you will be able to perform instrument procedures, including completing the appropriate checklists and flow patterns, for:

Procedure	Desired Outcome Level	
	Practice	Perform
Pre-IAF	<input type="checkbox"/>	<input type="checkbox"/>
Pre-FAF	<input type="checkbox"/>	<input type="checkbox"/>
FAF-inbound	<input type="checkbox"/>	<input type="checkbox"/>
Missed approach	<input type="checkbox"/>	<input type="checkbox"/>
Holding pattern	<input type="checkbox"/>	<input type="checkbox"/>

Equipment Operating Levels

You will be able to operate the avionics at an equipment operating level appropriate for the situation and shed equipment when it becomes a distraction or increases workload.

Procedure	Desired Outcome Level	
	Practice	Perform
Level 1	<input type="checkbox"/>	<input type="checkbox"/>
Level 2	<input type="checkbox"/>	<input type="checkbox"/>
Level 3	<input type="checkbox"/>	<input type="checkbox"/>

Abnormal and Emergency Procedures

You will be able to define the problem and implement the correct abnormal or emergency procedure with automation using the checklist as appropriate, for:

Procedure	Desired Outcome Level	
	Practice	Perform
ALT 1 failure	<input type="checkbox"/>	<input type="checkbox"/>
Inadvertent entry into IFR conditions	<input type="checkbox"/>	<input type="checkbox"/>
Inadvertent icing encounter	<input type="checkbox"/>	<input type="checkbox"/>
PFD failure	<input type="checkbox"/>	<input type="checkbox"/>
Diversion	<input type="checkbox"/>	<input type="checkbox"/>

System Safety

Within the context of the scenario, you will be able to use tools to manage risk, apply single-pilot resource management (SRM) tools and use the aeronautical decision-making (ADM) process to make and implement effective decisions.

Risk Management

Task	Desired Outcome Level	
	Practice	Manage/Decide
Manage risk before the flight using the 5P Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Manage risk during the flight using the 5Ps	<input type="checkbox"/>	<input type="checkbox"/>

SRM Tools

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use PIC Responsibilities tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Resource Use tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Workload Management tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Effective Communication tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Situational Awareness tools	<input type="checkbox"/>	<input type="checkbox"/>

Aeronautical Decision Making

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use the ADM process	<input type="checkbox"/>	<input type="checkbox"/>

Carry-Overs

Identify operations that will be included in this flight lesson for which the desired outcome level was not met in previous flight lessons.

Operation	Desired Outcome Level	
	Practice	Perform
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

Flight Workshop 4—Managing Abnormal and Emergency Situations Manually

Mission

VFR (IFR Option) three-leg cross-country flight 2.0 to 2.5 hours

Introduce

- Managing abnormal and emergency procedures manually
- Performing instrument procedures manually (IFR option)

Review

- Planning a VFR (IFR option) cross-country flight
- Performing normal flight procedures for a VFR (IFR option) cross-country flight, including normal, crosswind, short- and soft-field takeoffs and landings
- Using the three equipment operating levels
- Diversion procedures
- System safety concepts and tools

Objectives

The shaded areas in the tables indicate the minimum desired outcome level for this flight lesson.

Normal Flight Procedures

Within the context of the scenario, you will be able to perform normal flight procedures, including completing the appropriate checklists and flow patterns, for each phase of flight:

Pre-Takeoff

Procedure	Desired Outcome Level	
	Practice	Perform
Preflight inspection	<input type="checkbox"/>	<input type="checkbox"/>
Engine start	<input type="checkbox"/>	<input type="checkbox"/>
Before taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Before takeoff	<input type="checkbox"/>	<input type="checkbox"/>

Takeoff and Climb

Procedure	Desired Outcome Level	
	Practice	Perform
Normal/crosswind takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Short-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Climb	<input type="checkbox"/>	<input type="checkbox"/>

Cruise

Procedure	Desired Outcome Level	
	Practice	Perform
Initial cruise	<input type="checkbox"/>	<input type="checkbox"/>
Enroute cruise	<input type="checkbox"/>	<input type="checkbox"/>

Descent and Landing

Procedure	Desired Outcome Level	
	Practice	Perform
Descent	<input type="checkbox"/>	<input type="checkbox"/>
Traffic pattern	<input type="checkbox"/>	<input type="checkbox"/>
Normal/crosswind landing	<input type="checkbox"/>	<input type="checkbox"/>
Short-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Power-off landing	<input type="checkbox"/>	<input type="checkbox"/>
Go-around	<input type="checkbox"/>	<input type="checkbox"/>
After landing	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown	<input type="checkbox"/>	<input type="checkbox"/>

Instrument Procedures (Optional)

Within the context of the scenario, you will be able to perform instrument procedures, including completing the appropriate checklists and flow patterns, for:

Procedure	Desired Outcome Level	
	Practice	Perform
Pre-IAF	<input type="checkbox"/>	<input type="checkbox"/>
Pre-FAF	<input type="checkbox"/>	<input type="checkbox"/>
FAF-inbound	<input type="checkbox"/>	<input type="checkbox"/>
Missed approach	<input type="checkbox"/>	<input type="checkbox"/>
Holding pattern	<input type="checkbox"/>	<input type="checkbox"/>

Equipment Operating Levels

You will be able to operate the avionics at an equipment operating level appropriate for the situation and shed equipment when it becomes a distraction or increases workload.

Procedure	Desired Outcome Level	
	Practice	Perform
Level 1	<input type="checkbox"/>	<input type="checkbox"/>
Level 2	<input type="checkbox"/>	<input type="checkbox"/>
Level 3	<input type="checkbox"/>	<input type="checkbox"/>

Abnormal and Emergency Procedures

You will be able to define the problem and implement the correct abnormal or emergency procedure manually using the checklist as appropriate, for:

Procedure	Desired Outcome Level	
	Practice	Perform
Open door	<input type="checkbox"/>	<input type="checkbox"/>
Autopilot stall recovery	<input type="checkbox"/>	<input type="checkbox"/>
Autopilot failure	<input type="checkbox"/>	<input type="checkbox"/>
In-flight cabin fire	<input type="checkbox"/>	<input type="checkbox"/>
Low oil pressure annunciation	<input type="checkbox"/>	<input type="checkbox"/>
TAWS escape maneuver	<input type="checkbox"/>	<input type="checkbox"/>
Unusual attitudes	<input type="checkbox"/>	<input type="checkbox"/>
Engine failure	<input type="checkbox"/>	<input type="checkbox"/>
CAPS procedures	<input type="checkbox"/>	<input type="checkbox"/>

System Safety

Within the context of the scenario, you will be able to use tools to manage risk, apply single-pilot resource management (SRM) tools and use the aeronautical decision-making (ADM) process to make and implement effective decisions.

Risk Management

Task	Desired Outcome Level	
	Practice	Manage/Decide
Manage risk before the flight using the 5P Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Manage risk during the flight using the 5Ps	<input type="checkbox"/>	<input type="checkbox"/>

SRM Tools

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use PIC Responsibilities tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Resource Use tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Workload Management tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Effective Communication tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Situational Awareness tools	<input type="checkbox"/>	<input type="checkbox"/>

Aeronautical Decision Making

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use the ADM process	<input type="checkbox"/>	<input type="checkbox"/>

Carry-Overs

Identify operations that will be included in this flight lesson for which the desired outcome level was not met in previous flight lessons.

Operation	Desired Outcome Level	
	Practice	Perform
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

Flight Workshop 5–Reviewing Abnormal and Emergency Procedures

Mission

VFR (IFR Option) three-leg cross-country flight 2.0 to 2.5 hours

Review

- Flight planning considerations for a VFR (IFR option) cross-country flight
- Performing normal flight procedures for a VFR (IFR option) cross-country flight, including normal, crosswind, short- and soft-field takeoffs and landings
- Using the three equipment operating levels – shedding and adding equipment
- The use of automation to manage emergency/abnormal situations
- Managing emergency/abnormal situations manually
- Diversion procedures
- Maneuvers
- Performing instrument procedures with automation (IFR option)
- Performing instrument procedures manually (IFR option)
- System safety concepts and tools

Objectives

The shaded areas in the tables indicate the minimum desired outcome level for this flight lesson.

Normal Flight Procedures

Within the context of the scenario, you will be able to perform normal flight procedures, including completing the appropriate checklists and flow patterns, for each phase of flight:

Pre-Takeoff

Procedure	Desired Outcome Level	
	Practice	Perform
Preflight inspection	<input type="checkbox"/>	<input type="checkbox"/>
Engine start	<input type="checkbox"/>	<input type="checkbox"/>
Before taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Before takeoff	<input type="checkbox"/>	<input type="checkbox"/>

Takeoff and Climb

Procedure	Desired Outcome Level	
	Practice	Perform
Normal/crosswind takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Short-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Climb	<input type="checkbox"/>	<input type="checkbox"/>

Cruise

Procedure	Desired Outcome Level	
	Practice	Perform
Initial cruise	<input type="checkbox"/>	<input type="checkbox"/>
Enroute cruise	<input type="checkbox"/>	<input type="checkbox"/>

Descent and Landing

Procedure	Desired Outcome Level	
	Practice	Perform
Descent	<input type="checkbox"/>	<input type="checkbox"/>
Traffic pattern	<input type="checkbox"/>	<input type="checkbox"/>
Normal/crosswind landing	<input type="checkbox"/>	<input type="checkbox"/>
Short-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Power-off landing	<input type="checkbox"/>	<input type="checkbox"/>
Go-around	<input type="checkbox"/>	<input type="checkbox"/>
After landing	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown	<input type="checkbox"/>	<input type="checkbox"/>

Instrument Procedures (Optional)

Within the context of the scenario, you will be able to perform instrument procedures, including completing the appropriate checklists and flow patterns, for:

Procedure	Desired Outcome Level	
	Practice	Perform
Pre-IAF	<input type="checkbox"/>	<input type="checkbox"/>
Pre-FAF	<input type="checkbox"/>	<input type="checkbox"/>
FAF-inbound	<input type="checkbox"/>	<input type="checkbox"/>
Missed approach	<input type="checkbox"/>	<input type="checkbox"/>
Holding pattern	<input type="checkbox"/>	<input type="checkbox"/>

Equipment Operating Levels

You will be able to operate the avionics at an equipment operating level appropriate for the situation and shed equipment when it becomes a distraction or increases workload.

Procedure	Desired Outcome Level	
	Practice	Perform
Level 1	<input type="checkbox"/>	<input type="checkbox"/>
Level 2	<input type="checkbox"/>	<input type="checkbox"/>
Level 3	<input type="checkbox"/>	<input type="checkbox"/>

Abnormal and Emergency Procedures

Note the emergency procedures done in this lesson are those that have not been completed at the perform level or selected by the CFI.

You will be able to define the problem and implement the correct abnormal or emergency procedure using the checklist as appropriate, for:

Procedure	Desired Outcome Level	
	Practice	Perform
ALT 1 failure	<input type="checkbox"/>	<input type="checkbox"/>
Inadvertent entry into IFR conditions	<input type="checkbox"/>	<input type="checkbox"/>
Inadvertent icing encounter	<input type="checkbox"/>	<input type="checkbox"/>
PFD failure	<input type="checkbox"/>	<input type="checkbox"/>
Diversion	<input type="checkbox"/>	<input type="checkbox"/>
Open door	<input type="checkbox"/>	<input type="checkbox"/>
Autopilot stall recovery	<input type="checkbox"/>	<input type="checkbox"/>
Autopilot failure	<input type="checkbox"/>	<input type="checkbox"/>
In-flight cabin fire	<input type="checkbox"/>	<input type="checkbox"/>
Low oil pressure annunciation	<input type="checkbox"/>	<input type="checkbox"/>
TAWS escape maneuver	<input type="checkbox"/>	<input type="checkbox"/>
Unusual attitudes	<input type="checkbox"/>	<input type="checkbox"/>
Engine failure	<input type="checkbox"/>	<input type="checkbox"/>
CAPS procedures	<input type="checkbox"/>	<input type="checkbox"/>

System Safety

Within the context of the scenario, you will be able to use tools to manage risk, apply single-pilot resource management (SRM) tools and use the aeronautical decision-making (ADM) process to make and implement effective decisions.

Risk Management

Task	Desired Outcome Level	
	Practice	Manage/Decide
Manage risk before the flight using the 5P Checklist	<input type="checkbox"/>	<input type="checkbox"/>
Manage risk during the flight using the 5Ps	<input type="checkbox"/>	<input type="checkbox"/>

SRM Tools

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use PIC Responsibilities tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Resource Use tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Workload Management tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Effective Communication tools	<input type="checkbox"/>	<input type="checkbox"/>
Use Situational Awareness tools	<input type="checkbox"/>	<input type="checkbox"/>

Aeronautical Decision Making

Task	Desired Outcome Level	
	Practice	Manage/Decide
Use the ADM process	<input type="checkbox"/>	<input type="checkbox"/>

Flight Workshop 6–Final Evaluation

Mission

VFR (IFR Option) three-leg cross-country flight 2.0 to 2.5 hours

Review

- Flight planning considerations for a VFR (IFR option) cross-country flight
- Performing normal flight procedures for a VFR (IFR option) cross-country flight, including normal, crosswind, short- and soft-field takeoffs and landings
- Using the three equipment operating levels – shedding and adding equipment
- The use of automation to manage emergency/abnormal situations
- Managing emergency/abnormal situations manually
- Diversion procedures
- Maneuvers
- Performing instrument procedures with automation (IFR option)
- Performing instrument procedures manually (IFR option)
- System safety concepts and tools

Objectives

The shaded areas in the tables indicate the minimum desired outcome level for this flight lesson.

Normal Flight Procedures

Within the context of the scenario, you will be able to perform normal flight procedures, including completing the appropriate checklists and flow patterns, for each phase of flight:

Pre-Takeoff

Procedure	Desired Outcome Level	
	Practice	Perform
Preflight inspection	<input type="checkbox"/>	<input type="checkbox"/>
Engine start	<input type="checkbox"/>	<input type="checkbox"/>
Before taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Taxiing	<input type="checkbox"/>	<input type="checkbox"/>
Before takeoff	<input type="checkbox"/>	<input type="checkbox"/>

Takeoff and Climb

Procedure	Desired Outcome Level	
	Practice	Perform
Normal/crosswind takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Short-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field takeoff	<input type="checkbox"/>	<input type="checkbox"/>
Climb	<input type="checkbox"/>	<input type="checkbox"/>

Cruise

Procedure	Desired Outcome Level	
	Practice	Perform
Initial cruise	<input type="checkbox"/>	<input type="checkbox"/>
Enroute cruise	<input type="checkbox"/>	<input type="checkbox"/>

Descent and Landing

Procedure	Desired Outcome Level	
	Practice	Perform
Descent	<input type="checkbox"/>	<input type="checkbox"/>
Traffic pattern	<input type="checkbox"/>	<input type="checkbox"/>
Normal/crosswind landing	<input type="checkbox"/>	<input type="checkbox"/>
Short-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Soft-field landing	<input type="checkbox"/>	<input type="checkbox"/>
Power-off landing	<input type="checkbox"/>	<input type="checkbox"/>
Go-around	<input type="checkbox"/>	<input type="checkbox"/>
After landing	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown	<input type="checkbox"/>	<input type="checkbox"/>

Instrument Procedures (Optional)

Within the context of the scenario, you will be able to perform instrument procedures, including completing the appropriate checklists and flow patterns, for:

Procedure	Desired Outcome Level	
	Practice	Perform
Pre-IAF	<input type="checkbox"/>	<input type="checkbox"/>
Pre-FAF	<input type="checkbox"/>	<input type="checkbox"/>
FAF-inbound	<input type="checkbox"/>	<input type="checkbox"/>
Missed approach	<input type="checkbox"/>	<input type="checkbox"/>
Holding pattern	<input type="checkbox"/>	<input type="checkbox"/>

Equipment Operating Levels

You will be able to operate the avionics at an equipment operating level appropriate for the situation and shed equipment when it becomes a distraction or increases workload.

Procedure	Desired Outcome Level	
	Practice	Perform
Level 1	<input type="checkbox"/>	<input type="checkbox"/>
Level 2	<input type="checkbox"/>	<input type="checkbox"/>
Level 3	<input type="checkbox"/>	<input type="checkbox"/>

Abnormal and Emergency Procedures

You will be able to define the problem and implement the correct abnormal or emergency procedure using the checklist as appropriate, for:

Procedure	Desired Outcome Level	
	Practice	Perform
ALT 1 failure	<input type="checkbox"/>	<input type="checkbox"/>
PFD failure	<input type="checkbox"/>	<input type="checkbox"/>
CFI selected procedure:	<input type="checkbox"/>	<input type="checkbox"/>