



Leadplane Training Course



Leadplane Training Course

Course Objectives

Describe procedures for safe and effective leadplane operations over an incident.



Leadplane Training Course

Course Objectives

Describe efficient procedures for the utilization of aircraft to meet incident objectives.



Leadplane Training Course

Course Objectives

Describe procedures for effective coordination between aviation and ground forces.



Leadplane Training Course

Course Objectives

Fly a leadplane profile and exit maneuver while ensuring the safety of flight.



Leadplane Training Course

Course Objectives

Communicate using clear and concise radio communications.



Leadplane Training Course



Leadplane Training Course

Unit 0



Leadplane Training Course

Unit 0

Unit Objectives

Introduce course coordinator and instructors.



Leadplane Training Course

Unit 0

Unit Objectives

Review course logistics.



Leadplane Training Course

Unit 0

Unit Objectives

Introduce the students.



Leadplane Training Course

Unit 0

Unit Objectives

Present course overview.



Leadplane Training Course

Unit 0

Unit Objectives

Discuss course expectations.



Leadplane Training Course

Unit 0

Unit Objectives

Review pre-course test.



Leadplane Training Course

Unit 0

Instructor introductions.



Leadplane Training Course

Unit 0

Course Logistics.



Leadplane Training Course

Unit 0

Student introductions and student expectations.



Leadplane Training Course

Unit 0

Instructor expectations.



Leadplane Training Course

- Have an interest in becoming a leadplane pilot.



Leadplane Training Course

- Have an interest in becoming a leadplane pilot.
- Exhibit mutual cooperation with the group.



Leadplane Training Course

- Have an interest in becoming a leadplane pilot.
- Exhibit mutual cooperation with the group.
- Be open minded to accomplishments during the course presentations.



Leadplane Training Course

- Have an interest in becoming a leadplane pilot.
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- Be open minded to accomplishments during the course presentations.
- Participate actively in all of the training exercises presented in the course and be open to learning.



Leadplane Training Course

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- Participate actively in all of the training exercises presented in the course and be open to learning.
- Return to class at the stated times.



Leadplane Training Course

- Have an interest in becoming a leadplane pilot.
- Exhibit mutual cooperation with the group.
- Be open minded to accomplishments during the course presentations.
- Participate actively in all of the training exercises presented in the course and be open to learning.
- Return to class at the stated times.
- Use what is presented in the course to effectively perform the duties of a leadplane pilot.



Leadplane Training Course

- Have an interest in becoming a leadplane pilot.
- Exhibit mutual cooperation with the group.
- Be open minded to accomplishments during the course presentations.
- Participate actively in all of the training exercises presented in the course and be open to learning.
- Return to class at the stated times.
- Use what is presented in the course to effectively perform the duties of a leadplane pilot.
- Be respectful of your instructor and the effort that is put into helping the student be successful.



Leadplane Training Course

	S	M	T	W	Th	F	S
Week 1		Leadplane/ATP Refresher			ATS/ATP Initial Lead Initial ASM Refresher		
Week 2		ATGS Academy Lead Initial/S-378 (ATGS Academy Role Player)		ASM Refresher (ATGS Academy Role Player)			
Week 3	ATGS Academy Lead Initial/S-378 (ATGS Academy Role Player)			ASM Refresher (Role Player)			



Leadplane Training Course

Unit 0

Student Pre Course Work Review.



Leadplane Training Course



Leadplane Training Course

Unit 1



Leadplane Training Course

Unit 1

Unit Objectives

To familiarize the student with the importance of safety in the leadplane mission.



Leadplane Training Course

Unit 1

Unit Objectives

To develop the student's safety mindset in the leadplane mission.



Leadplane Training Course

Unit 1

Handouts

NWCG SAS – Safety Chapter.

NWCG – System Safety Assessment Appendix.

12 Standard Aviation Questions that Shout Watch Out,
01-01-N9065-HO.

Safety, 01-02-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 2



Leadplane Training Course

Unit 2

Unit Objectives

To familiarize the student with flight following procedures.



Leadplane Training Course

Unit 2

Unit Objectives

To familiarize the student with the initial briefing script.



Leadplane Training Course

Unit 2

Unit Objectives

To familiarize the student with the tactical briefing script.



Leadplane Training Course

Unit 2

Unit Objectives

To familiarize the student with the departure briefing script.



Leadplane Training Course

Unit 2

Unit Objectives

To familiarize the student with the transition briefing.



Leadplane Training Course

Unit 2

Unit Objectives

To familiarize the student with the FM radio setup.



Leadplane Training Course

Unit 2

Unit Objectives

To familiarize the student with target descriptions.



Leadplane Training Course

Unit 2

Handouts

NWCG SAS – Scripts Appendix.

Initial Briefing Script, 02-01-LPI-HO.

Tactical Briefing Script, 02-02-LPI-HO.

Departure Briefing Script, 02-03-LPI-HO.

Verbal Skills, 02-04-N9065-HO



Leadplane Training Course

Unit 2

Handouts

Target Descriptions, 02-05-LPI-HO.

Target Descriptions, 02-01-LPI-PPT.

Flight Following, 02-06-N9065-HO.

FM Radio, 02-07-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 3



Leadplane Training Course

Unit 3

Unit Objectives

Introduce the student to mountain flying techniques related to the leadplane mission.



Leadplane Training Course

Unit 3

Unit Objectives

Introduce the student to weather related to the leadplane mission.



Leadplane Training Course

Unit 3

Unit Objectives

Explain the importance of mountain flying techniques and weather.



Leadplane Training Course

Unit 3

Handouts

Mountain Flying, 03-01-N9065-HO.

Weather, 03-01-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 4



Leadplane Training Course

Unit 4

Unit Objectives

To familiarize the student with the use of checklists.



Leadplane Training Course

Unit 4

Unit Objectives

To familiarize the student with single pilot resource management.



Leadplane Training Course

Unit 4

Handouts

Checklists, 04-01-N9065-HO.

Single Pilot Resource Management, 04-02-N9065-HO.

Aircraft Preflight and Aircraft Set Up, 04-03-N9065-HO.

GPS Set Up, 04-04-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 5



Leadplane Training Course

Unit 5

Unit Objectives

Introduce the student with in route procedures related to the leadplane mission.



Leadplane Training Course

Unit 5

Unit Objectives

Explain the importance of time management and how it affects workload during the leadplane mission.



Leadplane Training Course

Unit 5

Handouts

In Route, 05-01-N9065-HO.

Time Management, 05-01-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 6



Leadplane Training Course

Unit 6

Unit Objectives

To review the FTA and FTA protocols.



Leadplane Training Course

Unit 6

Unit Objectives

To familiarize the student with the high and low recon.



Leadplane Training Course

Unit 6

Handouts

Fire Traffic Area, 06-01-N9065-HO.

High and Low Recon, 06-02-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 7



Leadplane Training Course

Unit 7

Unit Objectives

To familiarize the student with factors affecting altitude control during the leadplane profile.



Leadplane Training Course

Unit 7

Unit Objectives

To familiarize the student with factors affecting airspeed control during the leadplane profile.



Leadplane Training Course

Unit 7

Unit Objectives

To familiarize the student with factors affecting bank angle during the leadplane profile.



Leadplane Training Course

Unit 7

Unit Objectives

To familiarize the student with the leadplane profile and exit maneuver.



Leadplane Training Course

Unit 7

Unit Objectives

To familiarize the student with simulated emergency procedures.



Leadplane Training Course

Unit 7

Hand Outs

Altitude Control, 07-01-N9065-HO.

Airspeed Control, 07-02-N9065-HO.

Bank Angle, 07-03-N9065-HO.

Leadplane Flight Profile and Exit Maneuver, 07-04-N9065-HO.

Leadplane Flight Profile and Exit Maneuver, 07-01-N9065-PPT.



Leadplane Training Course

Unit 7

Hand Outs

Emergency Procedures, 07-05-N9065-HO.

Exit Routes, 07-06-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 8



Leadplane Training Course

Unit 8

Unit Objectives

To familiarize the student with situational awareness.



Leadplane Training Course

Unit 8

Unit Objectives

To familiarize the student with the process that leads to safe judgement in the fire environment.



Leadplane Training Course

Unit 8

Hand Outs

Situational Awareness, 08-01-N9065-HO.

Judgement, 08-02-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 9



Leadplane Training Course

Unit 9

Unit Objectives

To familiarize the student with the responsibility for separation procedures.



Leadplane Training Course

Unit 9

Unit Objectives

To familiarize the student with the join up procedure.



Leadplane Training Course

Unit 9

Hand Outs

Responsibility for Separation, 09-01-N9065-HO.

Join Up, 09-02-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 10



Leadplane Training Course

Unit 10

Unit Objective

To familiarize the student with operational firefighting and retardant strategy and tactics.



Leadplane Training Course

Unit 10
Hand Out

Operational Tactics, 10-01-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 11



Leadplane Training Course

Unit 11

Unit Objectives

To familiarize the student with the post-flight inspection in preparation for future fire suppression activities.



Leadplane Training Course

Unit 11

Unit Objectives

To familiarize the student with non-mission topics that assist in becoming a successful leadplane pilot.



Leadplane Training Course

Unit 11

Hand Outs

Post Flight, 11-01-N9065-HO.

Logistics, 11-02-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 12



Leadplane Training Course

Unit 12

Unit Objectives

Review additional lesson plans.



Leadplane Training Course

Unit 12

Unit Objectives

Review sign offs and endorsements.



Leadplane Training Course

Unit 12

Hand Outs

Incident Command System.

TAWS.

Fire Size Up.

Flight Following.



Leadplane Training Course

Unit 12

Hand Outs

Fire Order Information.

Leadplane Transition.

TCAS.

Southern California Endorsement.



Leadplane Training Course

Unit 12

Hand Outs

Aircraft Sequencing.

LAT, VLAT, SEAT and Scooper Operations.

MAFFS Operations.

Initial Points (IP's).

Leadplane Triangle.



Leadplane Training Course



Leadplane Training Course

Unit 13



Leadplane Training Course

Unit 13

Unit Objectives

Provide overall understanding of the environment a leadplane pilot operates within.



Leadplane Training Course

Unit 13

Unit Objectives

Provide overall understanding of the roles and responsibilities of a leadplane pilot.



Leadplane Training Course

Unit 13

Unit Objectives

Provide a safe learning environment while being introduced to the leadplane flight profiles.



Leadplane Training Course

Unit 13

Unit Objectives

Introduce and practice the different flight profiles needed for the delivery of retardant to the fire environment.



Leadplane Training Course

Unit 13

Hand Outs

Flight 1, 13-01-N9065-HO.

Flight 2, 13-02-N9065-HO.

Flight 3, 13-03-N9065-HO.

Flight 4, 13-04-N9065-HO.



Leadplane Training Course



Leadplane Training Course

Unit 14

Unit Objective

Review the ground and flight training as needed and clarify any student questions.



Leadplane Training Course

Unit 14
Hand Out

Course Review, 14-01-N9065-HO.