

U42 OPS/MAINTENANCE BUILDING REMODEL

The remodel of the Operations and Maintenance Building (formerly the Alta Aircraft Maintenance hangar) at South Valley Regional Airport (U42) in West Jordan is complete.

The building houses Salt Lake City Department of Airports (SLCDA) Operations and Maintenance offices and shops as well as aircraft storage and offices for Leading Edge Aviation, Utah Helicopter Flight Academy, and Randon Aviation.



Remodeled Operations and Maintenance Building U42

U42 AIRPLANE WASH CLOSED FOR THE WINTER

The plane wash at South Valley Regional Airport (U42) is closed for the winter. It will reopen in the spring. Call Steve Jackson, the General Aviation Manager at 801-575-2401 to confirm its status before traveling to U42 to wash your plane.

HANGAR HEATING

Cooler weather is upon us. With cooler weather comes the need for engine pre-heating, trickle-charging aircraft batteries, and warming hangars when occupying them to work on aircraft.

Only electric engine pre-heaters are authorized for use in SLCDA hangars. They must be at least 18 inches above the floor. Open-flame heaters and devices of any type are prohibited.

Hangars may be warmed with electrical heaters, only when attended. They may not be left unattended for any length of time. No open-flame heating devices are authorized.

Trickle battery chargers are authorized for use in hangars.

All authorized electrical equipment... engine heaters, space heaters, and trickle chargers must be provided power through no less than a 12 gauge extension cord.

PREPARE FOR WINTER OPERATIONS

Winter is coming quickly. Now is the time to review your operator's manual for cold weather flying procedures specific to your aircraft. Also, prepare your aircraft properly to attain maximum efficiency and optimal safety during the short Utah winter days.

SITUATIONAL AWARENESS IN AVIATION

AviationKnowledge.wikidot.com

Situational awareness is a term used to describe a person's awareness of his/her surroundings, the meaning of these surroundings, a prediction of what these surroundings will mean in the future, and then using this information to act.

This can be simplified to three key words: **Look - Think - Act**

In aviation, there is a growing interest in understanding how pilots maintain their awareness of the many complex and dynamic events that often occur simultaneously in flight, and how this information is used to guide future actions. This increased interest is predominantly due to the vast quantities of sensor information available in modern cockpits, coupled with the pilot's or flight crew's 'new' role monitoring aircraft information and automation. The term 'situational awareness' (SA) was adopted to describe the processes of attention, perception, and decision making that together form a pilot's mental model of the current flight situation (Endsley, 1995). Today, SA is one of the most prominent research topics in the aviation Human Factors field.

Situational awareness is a key part of the decision-making process. It is important that pilots and crews have a full and accurate perception of what is going on, to make the best decisions possible each time.

How do you know if you've lost SA?

The following are common events identified in accidents that have involved a loss of situational awareness. If one can answer yes to more than four items on the checklist, one is probably losing situation awareness.

- Ambiguous information...Do you have information from two or more sources that do not agree?
- Confusion... Are you uncertain or uneasy about a situation?
- Primary duties... Are you focused on non-flying duties?
- See and avoid... Is there too much heads-down time and are you looking outside for conflicting traffic?
- Compliance... Are you complying with aircraft performance limitations, flight minima, etc.?

HELPFUL POINTS OF CONTACT

For General Aviation operations, facilities maintenance, aviation newsletter, airfield, and SLC Title 16 questions contact: Steve Jackson, SLCDA General Aviation Manager, (801) 647-5532 or e-mail at steve.jackson@slcgov.com.

For hangar lease and repair questions: Joel Nelson, Airport Property Manager at (801) 575-3433 or e-mail him at joel.nelson@slcgov.com

For aviation security questions call: Connie Proctor at (801) 575-2401.
For gate access problems call: Airport Control Center at (801) 575-2401.

For emergencies call: at SLCIA, (801) 575-2911
at TVY or U42, 911 then (801) 575-2911

For additional GA information call the GA Hotline: (801) 575-2443.

• Standard Operating Procedures (SOPs)... Are you following established SOPs? Are you 'short-cutting' procedures, rules, or checklists?

• Fixation... Are you focused on any one task to the exclusion of others?

• Communication... Are you hearing or making vague or incomplete statements or responses?

• Contradictions... Are you failing to resolve any discrepancies or contradictory information?

• Navigation... Did you fail to meet an expected altitude restriction or checkpoint during the flight?

Personal Situation Awareness Checklist

Too many pilots have a situational awareness concept based on static location... "Here is where I am in reference to the outside world." That is a novice's understanding of the concept. It is an ever-changing value, the sum of the inputs to the health of a flight. All situational factors must be considered to complete a safe flight.

Position... Consider where you are in all four dimensions. Consistently maintain awareness of your changing altitude (including rate of climb or descent), airspeed, heading/track and course intent as related to your planned flight including altitude and speed restrictions. Understand your present situation and plan your future actions on what you might need to take in the normal or modified course of the flight.

Power and Angle of Attack... Assess your current aircraft energy state. It is critical to manage your energy and aircraft power, especially as you get closer to the ground. Don't be caught running out of airspeed, altitude, and ideas at the same time.

Air Traffic... Know where the other near proximity air traffic is and how will it affect the safe progress of your flight now and as you progress along your route.

Terrain... Know where the high terrain and obstacles are and how will they affect your future flight path. Create an accurate visual image in your mind to manage your relationship to high terrain and obstacles.

Fuel and Equipment... Destinations beyond your fuel endurance are fantasies if you have inadequate fuel to reach them. Fuel reserves (along with other consumables, such as oxygen or deicing fluid) plus consistent and accurate systems monitoring are critical factors in achieving a successful flight.

Heads out... heads up... safe skies and safe landings!

EAA YOUNG EAGLE FLIGHTS

Ever wondered what your neighborhood looks like from the sky? Or maybe you're curious how airplanes even work. You might even dream about being a pilot.

If you're nodding your head "Yes" and are between the ages of 8 and 17, you're ready to take a free Young Eagles flight and see what real pilots do on the ground and in the air.

Since 1992, more than 1.8 million Young Eagles have enjoyed a flight with EAA's network of volunteer pilots. For many, it was the start of their journey to becoming a pilot, aircraft mechanic, air traffic controller, or many other career possibilities.

For more information, contact Coordinator, Mike Guarino at 801-571-8498 or 801-232-3430 or e-mail mike@av8r.us or you can visit the EAA Young Eagles website at <http://www.eaa.org/en/aaa/aviation-education-and-resources/aaa-youth-education/aaa-young-eagles-program>

SLCDA GA NEWS ELECTRONIC OPTION

If you would like to receive the Salt Lake City Department of Airports' monthly general aviation newsletter by e-mail, send a request including your current e-mail address to: steve.jackson@slcgov.com.

UPCOMING EVENTS AND NEWS

Leading Edge Aviation at South Valley Regional Airport (KU42), West Jordan and at Logan – Cache Airport (KLGU) hosts multiple events each month including breakfast fly-ins, dinners, and classes. For more information about Leading Edge events, visit: www.leaviation.com.

Skypark Airport (KBTF) in Woods Cross, Utah will host a monthly hangar breakfast at the airport on the third Saturday of each month throughout the summer. The FBO offers self serve fuel discounts during the breakfast.

EAA 23, the Utah Chapter of the **Experimental Aircraft Association** will hold its next meeting Friday, November 14th at the Civil Air Patrol Building at Salt Lake City International Airport (KSLC).

For more information, contact Shawn Crosgrove at shawn_crosgrove@msn.com or (801) 568-2571, or visit the EAA website at <http://www.eaa23.org/>.

NOVEMBER FAA PILOT SEMINARS

Upcoming activity and seminar information is available at: www.faasafety.gov under the "Activities, Courses & Seminars" tab or contact Rick Stednitz, FAA Safety Program Manager at (801) 257- 5073.

--SAFETY FIRST --

Do NOT Fuel

Or Start Aircraft

Inside of Hangars!

Enjoy Safe Fall Flying!