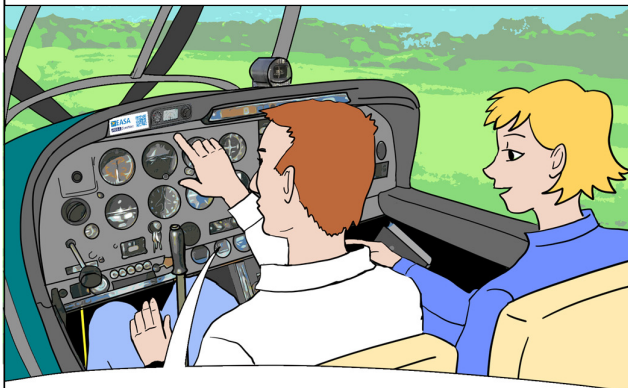




# Sunny Swift

'ADS-L: SEE AND BE SEEN'

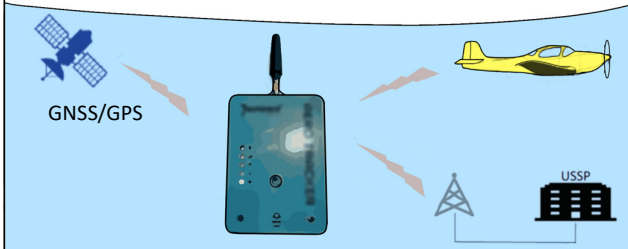
TOM IS GETTING READY FOR HIS TRAINING FLIGHT. HE REALISES THE PLANE HAS A STICKER ON THE COCKPIT SAYING 'ADS-L COALITION'.



SUNNY, WHAT DOES 'ADS-L COALITION' MEAN?

ADS-L\* IS A NEW PROTOCOL (LANGUAGE) FOR TRAFFIC SITUATION AWARENESS, DEVELOPED BY A COALITION OF MANUFACTURERS WITH THE SUPPORT OF EASA. IT ENSURES THAT ALL DEVICES CAN COMMUNICATE WITH EACH OTHER.

THIS NEW PROTOCOL ALLOWS DIFFERENT DEVICES, CERTIFIED OR NOT, TO ESTABLISH AIR-GROUND AND AIR-AIR COMMUNICATION.



\* 'ADS' STANDS FOR AUTOMATIC DEPENDENT SURVEILLANCE. 'L' STANDS FOR LIGHT.

IT ALSO ALLOWS GA AIRCRAFT TO BE DETECTED BY DRONES AND THEIR OPERATORS FLYING BEYOND THE SIGHT OF THE OPERATOR OR IN U-SPACE AIRSPACE.



DID YOU KNOW THAT THE LOWER YOU FLY, THE HIGHER THE RISK IS TO ENCOUNTER DRONES? ESPECIALLY WHEN YOU FLY BELOW 500 FEET AGL.

You can find links to

- **dedicated EASA webpages**
- **equipment manufacturer webpages**
- **regulations and technical specifications**

in the 'RELATED CONTENT' section.

YOU ARE WELCOME TO USE THE LOGO STICKER ON THE PLANE!  
THE QR CODE WILL TAKE YOU TO A LANDING PAGE WITH MORE INFORMATION.



DID THE CLUB HAVE TO BUY A NEW DEVICE?

ADS-L WAS DEVELOPED TO ALLOW FOR SIMPLE SOFTWARE UPDATES FOR MOST OF THE EXISTING DEVICES. IT SAVED MONEY AND INSTALLATION EFFORTS FOR THE CLUB.



HOWEVER, SIMPLE SOFTWARE UPDATES MIGHT NOT BE POSSIBLE FOR SOME OLDER SYSTEMS DUE TO THEIR HARDWARE LIMITATIONS.

A FRIEND WANTS TO INSTALL SUCH A SYSTEM IN HIS PRIVATE AIRCRAFT. HE'S NOT SURE WHICH SYSTEM TO CHOOSE.

I SUGGEST BUYING AN ADS-L SYSTEM WITH DIRECT RADIO LINE OF SIGHT CAPABILITY, COMPLEMENTED BY MOBILE NETWORK CONNECTIVITY.



IF THAT'S TOO EXPENSIVE, I RECOMMEND AN ADS-L SMARTPHONE APP, ESPECIALLY FOR FLIGHTS BELOW 2500 FEET.

MAKE SURE YOU HAVE A POWER SUPPLY BECAUSE IT'S ENERGY DEMANDING!

ADS-L DEVICES ARE USEFUL IN ANY AIRSPACE AND SPECIALLY IN U-SPACE AIRSPACE. THEY ARE LOWER-POWER, NON-CERTIFIED DEVICES. THEY ARE NOT MEANT TO REPLACE TRANSPONDERS, WHICH ARE NECESSARY IN SOME AIRSPACE PROVIDING SEPARATION BETWEEN AIRCRAFT (CTR OR TMA), BUT THEY IMPROVE SITUATIONAL AWARENESS ABOUT SURROUNDING TRAFFIC FOR BOTH PILOTS AND THOSE ON THE GROUND.

NOT HAVING ANY TRANSMITTING DEVICES MEANS YOU WON'T BE DETECTED BY OTHERS, WHICH INCREASES THE RISK OF MID-AIR COLLISION.

Please, send your comments and ideas to:  
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