



## *Introduction to Ramp & Airside Safety*

Airside is acknowledged as a dangerous place to work. Aircraft, the specialist vehicles, refuelling tankers and all the activities associated with servicing, maintenance and catering can create serious hazards for the unwary, untrained or complacent.

All employers have a legal duty to ensure staff receive the appropriate training before going airside.



Our online course provides all staff, contractors and visitors working airside with the knowledge to:

- ◆ Identify potential hazards in the airport, ramp and runway
- ◆ Minimise the risk of injuring themselves and others
- ◆ Improving safety around moving vehicles and aircraft

As with all of our training the course, records and certificates are stored on our sophisticated learning management system.

# Introduction to Ramp & Airside Safety


The course consists of 5 sections:

- ◆ Introduction to Airside safety
- ◆ Principles of Airside Safety
- ◆ Safety around Aircraft
- ◆ Vehicle Safety
- ◆ Airport and Runway Markings

**Principles of Airside Safety**

**Importance of Reporting Incidents**

- You should always report every incident or accident to your supervisor, no matter how slight the scratch or dent or collision between vehicles or aircraft
- Encouraging the reporting of incidents has been found to reduce the numbers of accidents at the airfield - reporting incidents allows everyone and not just you to learn from mistakes
- Damage caused by ground handling accidents has been estimated to cost the industry £2.5 billion per year



Click on the Forward button when you are ready to move on.

**Introduction to Airside Safety**

**Noise**

- Noise is a BIG factor
- The ramp area of an airport is a noisy environment. Passing aircraft, vehicles and equipment operating and manoeuvring in a congested area, many of which are fitted with sirens and alarms, all increase the level of background noise.
- Ensure that ear protection is worn but don't allow them to lull you into a false sense of security. Extra vigilance is required at all times
- Be aware of your surroundings. You may not hear other vehicles due to jet noise on the ground or in the air



- Introduction to Airside looks at :
- the importance of protective clothing
  - how & why accidents happen
  - the effects of adverse weather
  - the importance of reporting all incidents

**Safety Around Aircraft**

**Be Aware of Height - Points to Remember**

- Always check that access equipment is correctly positioned and secured so that there are no gaps large enough for someone to fall through
- Wear protective clothing when necessary, eg a safety harness or anchor strap
- Only ever use equipment specifically designed for the task
- Report without delay any damage sustained to the aircraft or faulty equipment
- Ensure that platform floors are free from defects which may cause workers to slip, trip or fall



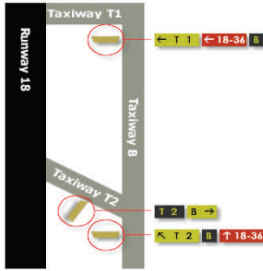
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- ◆ The **Airport and Runway Markings** module looks at a typical airport layout and how to identify runways, taxiways and service roads. As well as airport lighting plans, stop and hold signs.
- ◆ **Vehicle Safety** covers the right of way rules, push back procedures, operating baggage loaders and circles of safety
- ◆ **Safety around Aircraft** covers the aircraft turnaround process; when and how to approach an aircraft, the danger of jet blast, the significance of the anti collision lights, the importance of removing debris



**INSIGHT 2 LTD** Airport & Runway Markings

**Taxiway Markings**

- Taxiway markings may consist of two or more lines - some of which may be solid and some dashed
- You can normally, with clearance, cross from the dashed side to the solid side
- If you're ever instructed to "Hold Short" you should always stop prior to the first solid line of the runway holding position marker




**Runway Holding Position Marking**

**INSIGHT 2 LTD** Vehicle Safety Airside

**Baggage Carts**

- Baggage carts can be open as illustrated here or they could have sliding curtains
- Be especially careful when driving open carts, that nothing falls off them. FOD is very dangerous to the airfield and even very large items, like containers can get sucked into an engine
- Don't overload the cart higher than it's frame and place a cover over the top if possible
- You must always drive them slowly and with care - no sharp turns or breaks. As this could cause the cart to overturn
- Quite often carts are joined together to form a long train. Be especially vigilant when driving these as their turning circle will be much wider

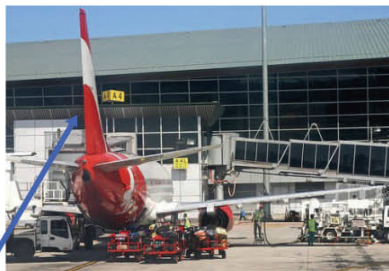


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**INSIGHT 2 LTD** Airport & Runway Markings

**Aprons or Ramps**

- The areas where aircraft are parked, serviced and loaded are known as an Apron or Ramp.
- Most airports have more than one ramp so each is identified by using a different alphabetical letter eg Apron B = Apron Bravo
- In smaller airports it might simply be the North or South Apron
- The Apron is divided into separate bays, like parking spaces in a car park; these are known as aircraft stands and are usually numbered
- In the example here the Apron is A4 and the sign can be sign from all directions



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