

By YourSimCFL.

(visible Moisture meaning rain,mist,snow, fog. etc)

Conditions

On Ground If DeIce Required checklist

Preamble

The Clean Aircraft Concept (CAC) prohibits aircraft takeoff when ice, snow, or frost are on critical surfaces. This policy is essential for flight safety

This is meant for airline operations in Microsoft Flight Simulator use only but use your own procedures if you have access to them.

At any point you or any flight crew member notices contamination on any critical surface, flight crew are required to get deiced prior to takeoff.

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Conditions

Critical surfaces

Wings: The main lifting surfaces of the aircraft

Control surfaces: Surfaces like the rudder and ailerons that adjust the direction of the forces acting on the aircraft

Propellers: The rotating parts that provide thrust

Horizontal stabilizers: Surfaces that help stabilize the aircraft

Vertical stabilizers: Surfaces that help stabilize the aircraft

Upper surface of the fuselage: For aircraft with rear-mounted engines.

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Conditions

DeIce. Checklist

#1 At Gate...

0C and below And visible moisture is present

Deice required

Taxi

Go to deice bay (with both engines on and engine anti ice on. no wing anti ice as they will get sprayed)

if gate spraying then prefer gnd air and gnd power. Rather then Apu on

Fallow Deice config procedure for your Aircraft or use one below

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Most Aircraft deice configuration

park brake on

bleeds off

Packs off

Anti ice. off

Flaps As req (if you notice ice in the flap tracks you may elect to leave them down, not to common)

Throttles. idle

Apu Off

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Request de ice

VR 100kts and above

Deice Type 1 and 4 100%

VR 100 and below

Type 1 and 3 100%

After deice

bleeds can go back on packs stay off for 3 min (start a clock and remember to put them back on. Check ECAM/EICAS before departure for a reminder

Taxi

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Taxi to the runway engine anti ice on. Wing anti ice off (don't cook the fluid)

Engine ice Shed procedure... accomplish

Most Aircraft N1 60% N1 20-30 sec every 5 min in icing conditions

Once cleared for takeoff and on runway wing anti ice on.

End

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#2 At Gate...

0C or below with NO visible moisture and no critical
surface contaminated

No deice required

Taxi and Takeoff no anti ice required

End

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#3 At Gate

Ice, frost observed on critical surfaces during walk around and No visible Moisture.

DeIce Required

Type 1 only, unless further Icing conditions exist refer to **condition #1**.

For taxi and takeoff no anti ice required (no icing conditions exist)

At deice pad

Most Aircraft deice configs

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park brake on

bleeds off

Packs off

Anti ice. off

Flaps As req

Throttles. idle

Request type 1 100%

After de ice bleeds can go back on packs stay off for 3 min (start a clock and remember to put them back on. Check ECAM/EICAS before departure for a reminder

End