

[NICE Aircraft Services & Support GmbH, Cargo City Süd, Geb.640, 60549 Frankfurt](#)

Ihre Zeichen Your Reference	Unsere Zeichen Our Reference	Datum Date
	GF, MSt	15.07.2021
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All Aircraft Operators and
Handling Agents at
Frankfurt Airport

Preseason Information on Aircraft Deicing / Anti-icing Winter 2021/2022

Ladies and Gentlemen,

The upcoming winter season for deicing at Frankfurt Airport will start on **October 15, 2021**. Already now we are in preparation and would like to inform you about important news at NICE Aircraft Services & Support GmbH and all relevant information about the deicing at Frankfurt Airport:

- * The persistently downturn in the aviation industry due to the "Corona Crisis" again makes a pricing for the whole winter season 2021/2022 impossible. N*ICE will adapt the aircraft deicing capacities as much as possible. Due to the continuous recovery of air traffic volume expected for the upcoming season, there will be again an adjustment of our vehicle capacities. As a result, twenty deicing trucks will be reactivated and only about 15% of the deicer fleet remains inoperative.

Additionally the whole industry experiences a dramatic increase of fluid procurement costs. Currently the price for the raw material „Monopropylene Glycol“ (MPG) for the fluid production is still twice as high as last year. The price remains at record-high level which was unseen before 2021 and the costs of fluid procurement are on an all-time high level for upcoming season. Consequently this cost increase will probably lead to price adjustments in fluid prices during winter season 2021/2022.

Exact costs and prices cannot be calculated at this point in time. Therefore there will be no changes to the pricing model and the prices itself at the beginning of the winter season; that means **fluid, service charges and base fee** remain on the previous periods level. **Depending on the cost development, prices are subject to change during the winter season. Changes in prices will be announced latest 30 days before the new prices will become applicable.**

- * The opportunity to choose between the two options of the pricing model,

alternative 1 **"Non Cold Pool"** or
alternative 2 **"Cold Pool"**

continues to exist. Please note that the **subscription date for "Cold Pool" contracts (SGHA) is September 30, 2021.**

- * The following fluids will be used next winter season:

**Kilfrost DF Plus and
Kilfrost ABC S Plus**

- * The locations of Remote Deicing Pads 1 - 4 remain the same (DP1 - DP4).

- * New communication procedures will apply on DP1 and DP2, aircraft may arrange deicing procedure already while cueing for deicing in Taxiway Papa 1 or November North. Please see "Luftfahrzeugenteisungsplan Frankfurt/Main Wintersaison 2021/2022", published in October 2021 (Frankfurt Aircraft Deicing Plan Winter Season 2021/2022) for further details.
- * An optimized driving pattern will be used at DP2 this season in order to improve the deicing duration for aircraft up to ICAO-Codeletter C (max. wingspan 36m).
- * There will be no changes in contact details or radio frequencies for next winter season.
- * We would like to point out that "Hotair" (engine de-icing) is carried out by Fraport. You can find a telephone contact at +49 (0) 69 690 70631.
- * Due to the resource commitment of vehicles and personnel, all pre-flight contamination checks will be charged starting next season.

We hope that we can meet your expectations by keeping the most important information as short as possible. Further information about the upcoming winter season will be provided as usual with the "Luftfahrzeugenteisungsplan Frankfurt/Main Wintersaison 2021/2022", published in October 2021 (Frankfurt Aircraft Deicing Plan Winter Season 2021/2022).

Furthermore, you can find the most important facts and figures in the appendix.

We look forward to supporting you throughout the winter season.

Yours sincerely,

N*ICE Aircraft Services & Support GmbH



Marcus Steinmetz
Managing Director



ppa. Daniel Tiator
Director Logistics

Enclosures:

1. **Conditions of Contract Winter 2021/2022**
2. **List of Charges Winter 2021/2022**
3. **SGHA Winter 2021/2022**

Important Facts & Figures of Deicing / Anti-icing at Frankfurt Airport

Fleet of Vehicles:

Type	Vestergaard Elephant BETA			Vestergaard Elephant BETA-15			Vestergaard Elephant BETA-15 XL		
Units	23			43			2		
Basket Height	closed basket	10,5 m		closed basket	15,5 m		closed basket	15,5 m	
Mixing System	Double Proportional Mixing System								
Content	Water	Type I	Type IV	Water	Type I	Type IV	Water	Type I	Type IV
Capacity in Litres	4.000	2.000	2.000	4.000	2.000	2.000	5.000	3.000	4.000

Fluid Storage:

Tank station	TA 1			TA 2			TA 3		
	In operation since 2007 Extension 2018			In operation since 2009			In operation since 2012 Extension 2019		
Content	Water	Type I	Type IV	Water	Type I	Type IV	Water	Type I	Type IV
Capacity in Litres	180.000	220.000	340.000	60.000	120.000	180.000	60.000	290.000	520.000
Brand name		Kilfrost DF Plus	Kilfrost ABC S Plus		Kilfrost DF Plus	Kilfrost ABC S Plus		Kilfrost DF Plus	Kilfrost ABC S Plus
Temperature	60° C	unheated	unheated	60° C	unheated	unheated	60° C	unheated	unheated

All fluids will be applied in brand name quality in their operationally applicable mixture with water (possible exceptions to be announced). These fluids are fully conform to relevant SAE Aerospace Material Specifications and are accepted by aviation authorities, airframe manufacturers and environmental agencies alike. **The brand name holdover time (HOT) guidelines can be used.**

Important Facts & Figures of Deicing / Anti-icing at Frankfurt Airport

Operational Procedures:

Deicing / Anti-icing Service Request	
VHF:	121.985 MHz "Frankfurt de-icing"
Telephone:	+49 (0) 69 690 30560

For more details please refer to the Frankfurt Aircraft Deicing Plan Winter Season 2021/2022.






Station Inspections and Audits:

Station Inspections and Audits	
Contact:	Mr. Jörg Kolb
Position:	Head of Standards & Procedures
Telephone:	+ 49 (0) 69 690 73193
E-Mail:	standards@nice-services.aero

Remote deicing stands:

DP 1	DP 2	DP 3	DP 4
Near RWY 18	Near RWY 18	TWY "N7"	V159 - V161

Important Facts & Figures of Deicing / Anti-icing at Frankfurt Airport
Prices for Service Charge for both alternatives (Non Cold Pool / Cold Pool incl. Basefee)

Pricing Components	Alternative 1: Non Cold Pool	Alternative 2: Cold Pool
Base Fee charged per departure	not applicable	Base Fee 
Service Charge charged per event	 List of Charges	 Contract SGHA
Fluid charged according to consumption	 Fluid	 Fluid

Category	Aircraft Type i.e.	Non Cold Pool	Cold Pool	
		Service Charge	Service Charge	Base Fee
A	all types < 5,7 tons MTOW	422.28 €	138.00 €	10.37 €
B	AR8, ATR42, Bae146, E145, E170, CRJ1, CRJ2, CRJ7, CRJ9, F50 and similar size	624.24 €	204.00 €	12.96 €
C	A318 - 321, B727, B737, E190, F70, F100, MD80, MD90	716.04 €	234.00 €	15.55 €
D	A310, B752, B753, B757 and similar size	1,193.40 €	390.00 €	25.92 €
E	A306, B763, B767, IL76, and similar size	1,373.94 €	449.00 €	31.10 €
F	B787, A330, A340 - 200-500, A350, B777-200, IL 96, MD11 and similar size	1,897.20 €	620.00 €	41.47 €
G	A340-600, B747, B777-300 and similar size	2,132.82 €	697.00 €	46.65 €
H	A380 and similar size	3,304.80 €	1,080.00 €	72.57 €
Fluid		Price	Price	
Aircraft De-icing per Liter		1.13 €	1.13 €	
Aircraft Anti-icing per Liter		2.00 €	2.00 €	

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