

NICE Aircraft Services & Support GmbH, Cargo City Süd, Geb.640, 60549 Frankfurt

Ihre Zeichen Your Reference	Unsere Zeichen Our Reference GF; MSt	Datum Date 15.07.2022
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All Aircraft Operators and Handling Agents  
at Frankfurt Airport

### Preseason Information on Aircraft Deicing / Anti-Icing Winter 2022/2023

Ladies and Gentlemen,

The upcoming winter season for deicing at Frankfurt Airport will start on October 15, 2022.

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.

Despite the ongoing Corona crisis, we can inform you that air traffic has recently increased significantly and that a high volume of traffic can also be expected during the deicing season.

N\*ICE is countering these developments with a stable fleet size, which means that a fleet of 65 deicing vehicles is prepared for the coming winter season.

The practice-oriented qualification of the deicing staff at the level of SAE AS6286 will continue to be ensured. The qualification levels contain a theoretical and a practical part and are supplemented by additional simulator training. N\*ICE is currently training the staff for the winter season. At this point we are positive that the staff can be kept at the previous year's level.

Please note that due to new regulations regarding the discontinuation of traffic corridors, N\*ICE is no longer able to use the turntable cabin mode in most parts of the northern apron. This will increase the transfer time between the positions.

Additional relevant information:

- \* 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. In both cases, the General Terms and Conditions apply.
- \* As already announced in the relevant boards at Frankfurt Airport, the **service charges** have been increased by **approx. 7%**. **Fluid prices were kept stable** for the time being. Depending on the cost development, fluid prices are subject to change from January 1, 2023.
- \* N\*ICE offers a SGHA contract for Cold Pool. In case of interest contact invoices@nice-services.aero for receiving a signed contract. Please find attached a draft for information only.
- \* Please note that the subscription date for "Cold Pool" contracts (SGHA) is **September 30, 2022**.
- \* N\*ICE still offers a **special "Early Deicing/Anti-Icing Services"** to carriers having early scheduled departures (between 6:00 – 8:00 LT). This services will be provided on contract basis only. For further information contact invoices@nice-services.aero.
- \* 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).
- \* Communication procedures on DP1 and DP2 remain, aircraft may arrange deicing procedure already while queueing for deicing in Taxiway Papa 1 or November North. Please see "Luftfahrzeugenteisungsplan Frankfurt/Main Wintersaison 2022/2023", published in October 2022 (Frankfurt Aircraft Deicing Plan Winter Season 2022/2023) 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 deicing) is carried out by Fraport AG. You can find a telephone contact at +49 (0) 69 690 70631.

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 2022/2023", published in October 2022 (Frankfurt Aircraft Deicing Plan Winter Season 2022/2023).

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,

**NICE Aircraft Services & Support GmbH**



Marcus Steinmetz  
Managing Director






ppa. Klaus Schuster  
Director Operations

**Enclosures:**

- General Terms and Conditions
- List of Charges: Alternative 1 "Non Cold Pool" for Aircraft Deicing / Anti-Icing Services
- SGHA Winter 2022/2023 / DRAFT
- List of Charges: Alternative 2 "Cold Pool" for Aircraft Deicing / Anti-Icing Services (Appendix 1 to Annex B1.10)

**Important Facts & Figures of Deicing / Anti-Icing at Frankfurt Airport**
**Deicing Vehicle Fleet:**

Manu- facturer / Types	Number	Units	Fleet	Basket Eye Level	Maximum Aircraft
Vestergaard Elephant BETA	Beta 32 - 36 - Beta 38 - 52	20		Closed Basket 11,5 m	B747-8
Vestergaard Elephant BETA-15	Beta 103 - Beta 145	43		Closed Basket 15,5 m	A380
Vestergaard Elephant BETA 15-XL	Beta 401 - Beat 402	2		Closed Basket 15,5 m	A380




**Water and Deicing/Anti-Icing Fluid Capacity of Deicing Vehicle Fleet:**

Manu- facturer / Types	Mixing System	Units	Content	Capacity in Litres	Heating System Temperatures
Vestergaard Elephant BETA	Double Proportional Mixing System	20	Water	4.000	85° C
			Type I	2.000	60° C
			Type IV	2.000	
Vestergaard Elephant BETA-15		43	Water	4.000	85° C
			Type I	2.000	60° C
			Type IV	2.000	
Vestergaard Elephant BETA 15-XL		2	Water	5.000	85° C
			Type I	3.000	60° C
			Type IV	4.000	

**Total Fleet incl. Capacity:**

Manu- facturer / Types	Mixing System	Total Units	Content	Total Capacity in Litres	Heating System Temperatures
Vestergaard Elephant BETA BETA-15; BETA 15-XL	Double Proportional Mixing System	65	Water	262.000	85° C
			Type I	266.000	60° C
			Type IV		

**Important Facts & Figures of Deicing / Anti-Icing at Frankfurt Airport**
**Storage Tanks:**

Tank Station		Number of Tanks	Content	Capacity in Litres	Stations
TA 1	Operation since 2007 / Extension 2018	6	Water	180.000	
		5	Type I	220.000	
		9	Type IV	340.000	
TA 2	Operation since 2009	2	Water	60.000	
		4	Type I	120.000	
		6	Type IV	180.000	
TA 3	Operation since 2012 / Extension 2019	2	Water	60.000	
		5	Type I	290.000	
		8	Type IV	520.000	

**Total Water and Deicing Anti-Icing Fluids Capacity:**

Tank Station	Total Number of Tanks	Content	Total Capacity in Litres	Temperature
TA 1 - TA 3	10	Water	300.000	60° C
	37	Type I	1.670.000	unheated
		Type IV		unheated

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

**Aircraft Deicing Fluid (ADF):**

Fluidtype	Manufacturer	Brandname	Color	Specification and Conformity	
Type I	Kilfrost Ltd.	DF Plus	orange	SAE AMS1224/1	ISO 11075
Type IV	Kilfrost Ltd.	ABC-S Plus	green	SAE AMS1228/1	ISO 11078

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.**

**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**

**Contact for Operational Procedures:**

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

For more details please refer to the Frankfurt Aircraft Deicing Plan Winter Season 2022/2023.

**Contact for Station Inspections and Audits:**


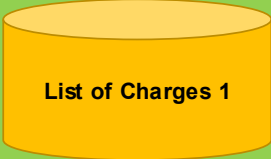

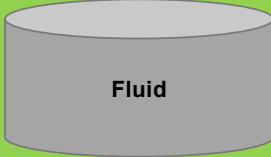
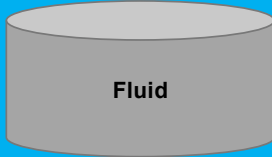
<b>Station Inspections and Audits</b>	
<b>Contact:</b>	Mr. Jörg Kolb
<b>Position:</b>	Head of Standards & Procedures
<b>Telephone:</b>	+ 49 (0) 69 690 73193
<b>E-Mail:</b>	standards@nice-services.aero

**Contact for Invoices and Contracts:**

<b>Invoices and Contracts</b>	
<b>E-Mail:</b>	invoices@nice-services.aero

**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"
<b>Basefee</b> (charged per departure)	not applicable	
<b>Service Charge</b> (charged per event)		
<b>Fluid</b> (charged according to consumption)		

Category	Aircraft Type i.e.	Non Cold Pool	Cold Pool	
		Service Charge	Service Charge	Basefee
A	all types < 5,7 tons MTOW	452.00 €	138.00 €	11.10 €
B	AR8, ATR42, Bae146, E145, E170, CRJ1, CRJ2, CRJ7, CRJ9, F50 and similar size	668.00 €	204.00 €	13.86 €
C	A318 - 321, B727, B737, E190, F70, F100, MD80, MD90	766.00 €	234.00 €	16.64 €
D	A310, B752, B753, B757 and similar size	1,277.00 €	390.00 €	27.73 €
E	A306, B763, B767, IL76, and similar size	1,470.00 €	449.00 €	33.28 €
F	B787, A330, A340 - 200-500, A350, B777-200, IL 96, MD11 and similar size	2,030.00 €	620.00 €	44.37 €
G	A340-600, B747, B777-300 and similar size	2,282.00 €	697.00 €	49.92 €
H	A380 and similar size	3,536.00 €	1,080.00 €	77.65 €
<b>Fluid</b>		<b>Prices</b>	<b>Prices</b>	
Aircraft Deicing per Liter		1.30 €	1.30 €	
Aircraft Anti-Icing per Liter		2.36 €	2.36 €	

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