



Federal Office of  
Consumer Protection  
and Food Safety

# Long transports of live animals in extreme temperatures

A wide-spread problem concerning various destinations

## Legal basis: Regulation (EC) No. 1/2005

### Annex I Chapter VI No. 3.1:

- “Ventilation systems on means of transport by road shall be designed, constructed and maintained in such way that, at any time during the journey, whether the means of transport is stationary or moving, they are capable of maintaining a range of temperatures from 5 °C to 30 °C within the means of transport, for all animals, with a +/- 5 °C tolerance, depending on the outside temperature.”

### Article 14 No. 1 (a) (ii):

- “In the case of long journeys between Member States and with third countries for domestic Equidae and domestic animals of bovine, ovine, caprine and porcine species, the competent authority of the place of departure shall carry out appropriate checks to verify that the journey log submitted by the organiser is realistic and indicates compliance with this Regulation.”

## Legal basis: European Court of Justice in case C-424/13 („Zuchtvieh verdict“)

Judgment of 23<sup>rd</sup> April 2015:

- “Article 14(1) of Council Regulation (EC) No 1/2005 of 22 December 2004 on the protection of animals during transport and related operations and amending Directives 64/432/EEC and 93/119/EC and Regulation (EC) No 1255/97 must be interpreted as meaning that, in order for transport involving a long journey for domestic Equidae other than registered Equidae, and domestic animals of bovine, ovine, caprine and porcine species which commences on the territory of the European Union and continues outside that territory to be authorised by the competent authority of the place of departure, the organiser of the journey must submit a journey log which, in the light of the arrangements for the journey as planned, is realistic and indicates that the provisions of that regulation will be complied with, including for the stages of the journey which are to take place in the territory of third countries, that authority being empowered, should that not be the case, to require changes to those arrangements to ensure compliance with those provisions throughout the journey.”

## Summary of legal requirements

### EU temperature requirements:

- temperatures inside the transport vehicle must be between 5°C and 30°C
- this applies to entire journey, even to parts in non-EU countries
- this applies to all long journeys by road of cattle, sheep, goats, horses and pigs

### Technical background:

- forced ventilation only circulates air, but does not cool it
- temperatures inside a transport vehicle can NEVER be lower than the outside temperature
- only exception: active cooling (air-conditioning)



## Example: Syria

- 2017: 63 consignments (2,079 bovines)
- 2018: 127 consignments (4,058 bovines)
- places of destination: Aleppo, Tartus, Hama and Damascus



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Aleppo

Creator: Abdalrhman Ismail

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<https://www.spiegel.de/politik/ausland/syrien-die-schlacht-um-aleppo-und-ihre-folgen-a-1123759.html>

Viewed on 8<sup>th</sup> May 2019





## Example: Syria 2017

Number of transports (approx.)	Duration of transport		DE (day of departure)		Koper, SI (+ 1d)		Aleppo (day of arrival)		Tartus (day of arrival)	
	from	until	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>
4	17.8.	24.8.	21	28	25	35	29	37	29	34

Temperatures as per [www.worldweatheronline.com](http://www.worldweatheronline.com).





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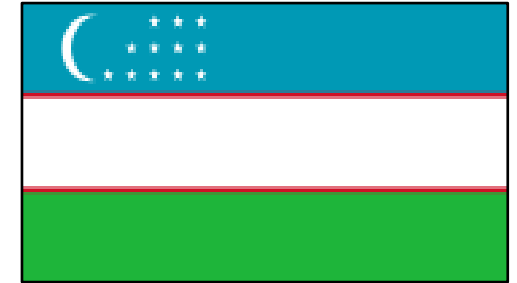
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4	17.8.	24.8.	21	28	25	35	29	37	29	34
4	18.8.	25.8.	23	27	24	32	29	39	31	37
10	28.8.	4.9.	18	25	20	33	29	39	31	32
23	31.8.	7.9.	22	26	20	25	26	33	27	30
2	1.9.	8.9.	13	14	18	23	28	35	31	32
7	3.11.	10.11.	7	11	16	24	15	21	20	23
3	6.11.	13.11.	6	7	18	23	17	22	22	28
10	7.11.	14.11.	6	8	15	25	16	23	22	25

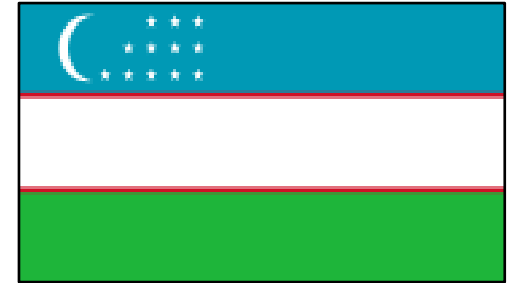
Temperatures as per [www.worldweatheronline.com](http://www.worldweatheronline.com).



## Example: Uzbekistan

- 2017: 218 consignments (6,928 bovines)
- 2018: 263 consignments (8,296 bovines)
- Temperature research done of the first 15 consignments of each of those two years.

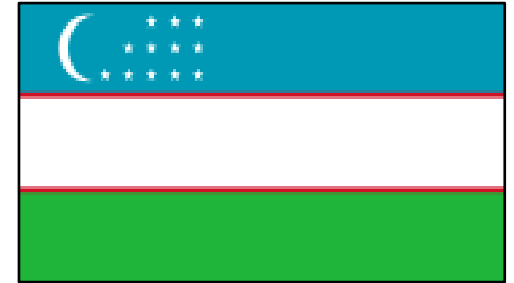




## Example: Uzbekistan 2017

Trans- ports	Duration		DE (day of departure)		Kukuryki, PL (+ 2d)				Place of destination (day of arrival)			
	approx.	from	until	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>			T <sub>min.</sub>	T <sub>max.</sub>	
6	27.1.	? (45h)										6.2. Tashkent
5	1.2.	9.2.										Tashkent
4	13.3.	18.3.										Nukus
...	...	...	...	...	...	...	...	...	...	...	...	...

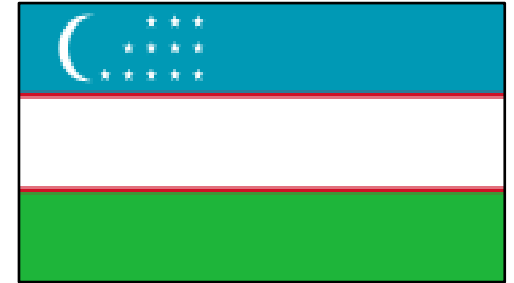
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6	27.1.	? (45h)	-7	-2	-2	-1			-9	2	6.2. Tashkent
5	1.2.	9.2.	-6	-1	-2	0			1	8	Tashkent
4	13.3.	18.3.	-1	8	1	7			6	14	Nukus
...	...	...	...	...	...	...			...	...	...

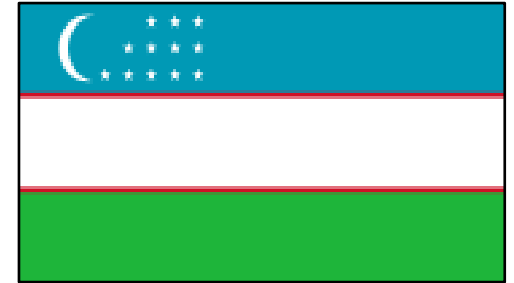
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## Example: Uzbekistan 2017

Trans-ports	Duration		DE (day of departure)		Kukuryki, PL (+ 2d)		Samara, RU (+ 6d)		Place of destination (day of arrival)			
	approx.	from	until	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>	
6	27.1.	? (45h)	-7	-2	-2	-1	-11	-6	-9	2		6.2. Tashkent
5	1.2.	9.2.	-6	-1	-2	0	-24	-17	1	8		Tashkent
4	13.3.	18.3.	-1	8	1	7	-9	-3	6	14		Nukus
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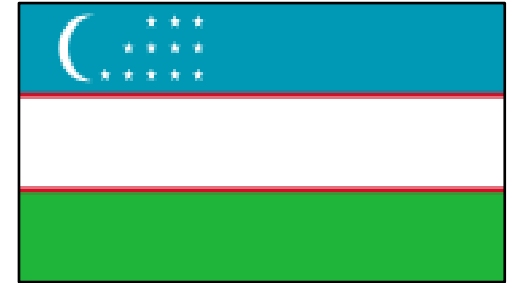
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4	13.3.	18.3.	-1	8	1	7	-9	-3	6	14		Nukus
...	...	...	...	...	...	...			...	...		...



**Kazakhstan?**

Temperatures as per [www.worldweatheronline.com](http://www.worldweatheronline.com).



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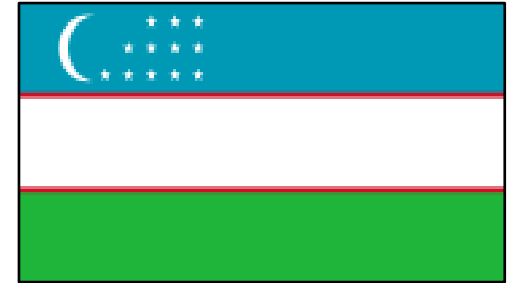
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4	13.3.	18.3.	-1	8	1	7	-9	-3	6	14		Nukus
...	...	...	...	...	...	...			...	...		...

„Das Klima Kasachstans ist kontinental geprägt, das heißt nach kalten Wintern mit bis zu -40 Grad Celsius folgen direkt heiße lange Sommer mit über +40 Grad Celsius.“

(Source: <https://de.wikipedia.org/wiki/Kasachstan>, last viewed on 7<sup>th</sup> March 2025)

Temperatures as per [www.worldweatheronline.com](http://www.worldweatheronline.com).





## Example: Uzbekistan 2018

Trans- ports	Duration		DE (day of departure)		Kukuryki, PL (+ 2d)		Samara, RU (+ 6d)		Place of destination (day of arrival)		
	approx.	from	until	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>	T <sub>min.</sub>	T <sub>max.</sub>
1	10.1.	19.1.	3	8	-10	-2	-12	-6	7	15	Yakkabag
1	23.1.	30.1.	1	4	-10	-7	-21	-15	-8	3	Shahrisabz
3	16.2.	25.2.	-1	5	4	5	-19	-12	8	18	Tashkent
2	15.3.	26.3.	0	8	2	11	-15	-4	13	20	Urgench
6	15.3.	23.3.	0	8	2	11	-15	-4	10	23	Urgench
2	21.3.	1.4.	-5	1	3	12	-5	0	8	16	Urgench
...	...	...	...	...	...	...	...	...	...	...	...

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## Example: Intra EU

- Each year, we saw intra-community transports of various species transiting Germany
- Each year, we saw problems related to extreme temperatures
- Usually in summer
  
- For example:
  - Transports of piglets from DK to IT
  - Transports of piglets from NL to PL



## Example: Piglets from DK to IT

- At least two notifications in summer 2019 (noted due to vehicle breakdown or upon planned arrival at a German control post)
- Temperatures measured were between 50 °C and 60 °C
- Deaths only in one of the transports, but unnecessary suffering inflicted on all animals





## Example: Piglets from NL to PL

- Stopped by German police close to Dutch border in summer 2018
- Loading in cooler morning hours
- But breaches of temperature requirements were guaranteed to occur during onward transport
- Official veterinarian ordered the driver to return to place of origin
- Turned out that he only waited in NL until evening and then continued via DE to PL
- Animals had to stay on the truck throughout the day in heat
- Unnecessary suffering & breach of legislation (irrelevant whether animals died)

## Transports in extreme temperatures

- These transports cause significant animal suffering.
- They cause huge problems during road side checks.

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- They cause huge problems during road side checks.

## What now?

It is essential to raise awareness.

## Therefore...

Let's all pay attention to the temperature requirements:

- applicable to all long road transports
- including cattle, sheep, goats, horses and pigs
- including all destinations and also transit



## Therefore...

Let's all pay attention to the temperature requirements:

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**Thank you very much!**



# Thank you for your attention!

## Contact:

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