BG Verkehr
Verkehrswirtschaft
Post-Logistik
Telekommunikation

German Social Accident Insurance Institution for Commercial Transport, Postal Logistics and Telecommunication

Report from CEN TC/274 „*Aircraft Ground Support Equipment*“ and other busyness…

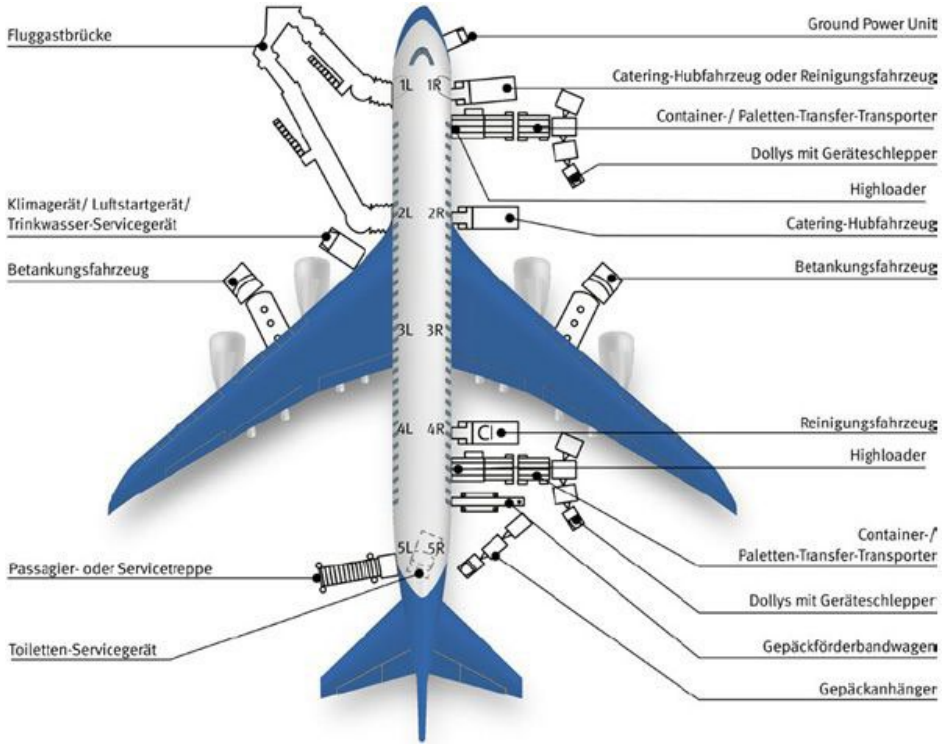
Helge Homann, Prevention and Technical Officer

Head of department “Aviation” at BG Verkehr

EAGOSH meeting November 2025; Büttelborn

European standardization activities for GSE

- Personnel
- Brief overview of activities
- Prospects



Personnel

- **CEN/TC 274** "Aircraft ground support equipment“
  - Chairman: **Helge Homann (2018 – 2027)**
  - Secretary: Dr. Heese-Gärtlein; DIN

- **CEN/TC 274/WG 1** "Working Group Revision“
  - Convenor: **Helge Homann (2018 – 2027)**
  - Secretary: Dr. Heese-Gärtlein; DIN

Actual / (last meeting was 9th of September virtual)

- **EN 1915-1**, *Basic safety requirements*
  - This standard was **published** in May 2023. Listed in the ***OJEU in December 2023***

- **EN 12312-1**, *Passenger stairs*
  - This standard was **published** in August 2024. Listed in the ***OJEU in December 2024***

- **EN 12312-4**, *Passenger boarding bridges*
  - This standard was **published** in November 2024. Listed in the ***OJEU in May 2025***

Status of Projects under Revision (WG is ready – Doc is in Brussels)

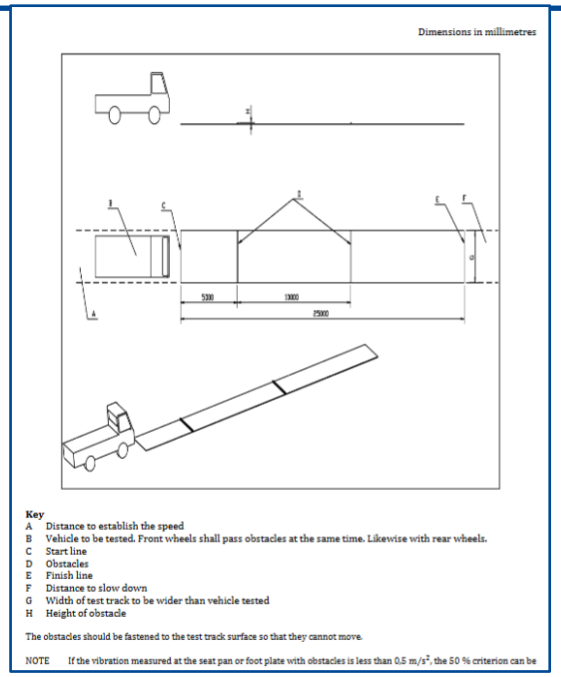
- **EN 1915-2:2009**: *Stability and strength requirements, calculations and test methods*
  - submitted to CEN inquiry
- **EN 1915-3:2009**: *Vibration measurement methods and reduction*
  - submitted to CEN inquiry
- **EN 12312-20:2009**: *Electrical ground power units*
  - submitted to CEN inquiry

Projects for coming up revisions end of this year

- EN 12312-2:2014 Catering vehicles
- EN 12312-7:2020 Aircraft movement equipment
- EN 12312-14:2014 Disabled/incapacitated passenger boarding vehicles

First standards reaching ISO Level

- **EN ISO 31915-3** *Vibration measurement methods and reduction*
- **EN ISO 32312-11** Container/Pallet dollies and loose load trailers
- **EN ISO 32312-4 for PBB** *is launching end of 2025!*



Outlook

The current *Machinery Directive 2006/42 EC* is replaced by a new *Machinery Products Regulation* ***(EU) 2023/1230*** in 2023.

Application from **January 20th 2027**.
All standards (for machines) will first be checked for plausibility of content.
This had been done in the working group “GAP analyses” between May and September 2024. Send out to CEN by end of October 24 for cross-check.

Prospects, eventually new projects for GSE standards

If not useable for public roads / traffic bc of the dimensions

Next Meeting

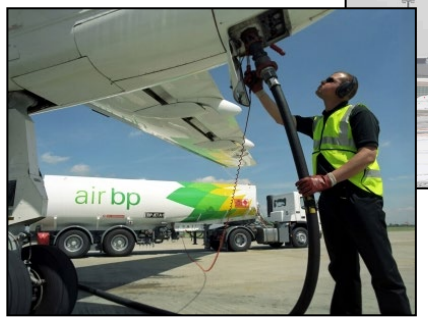
- 10th of March 2026 virtual
- September 2026 Paris at BNAE

Any other busyness

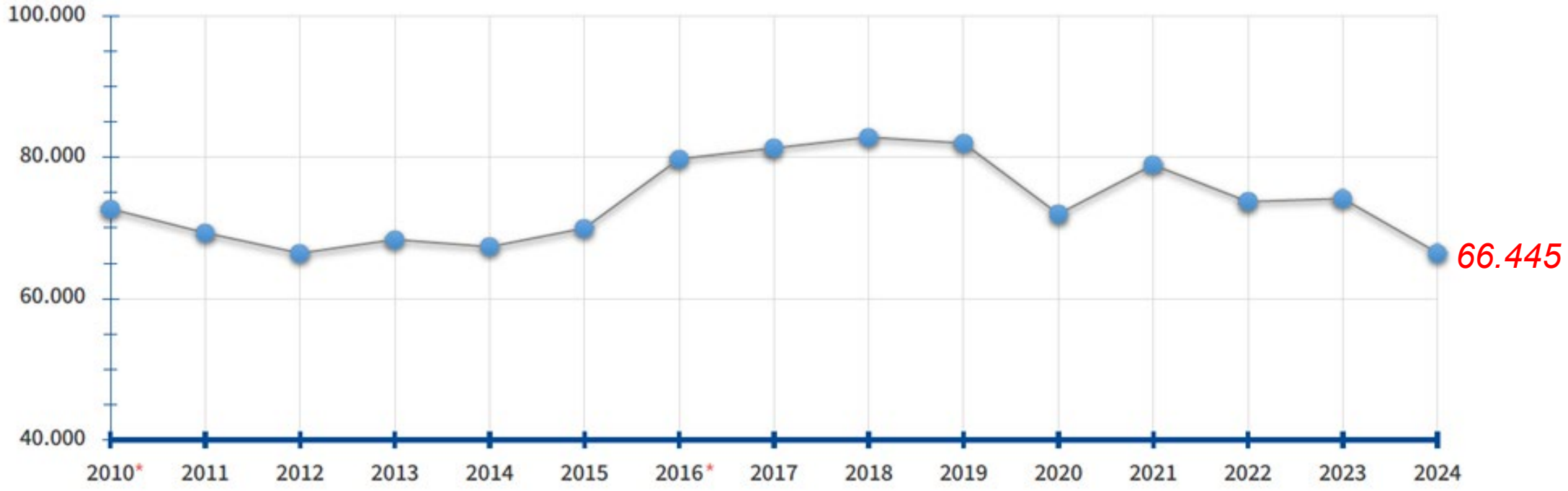
- Statistic
- Cost intensive accidents
- Media

The BG Verkehr (Employers' Liability Insurance Association) in aviation

- Not all aviation companies are insured with our accident insurance (BG Verkehr). In particular, German airlines, airports that do not belong to the public sector, such as CGN or DUS and BER - but not FRA, MUC or HAM. Almost all handling companies are also insured with us, for example if they are at the airport as third-party providers.
- That means: we have about **5000 member-companies** and **115.000 insured** workers in it.



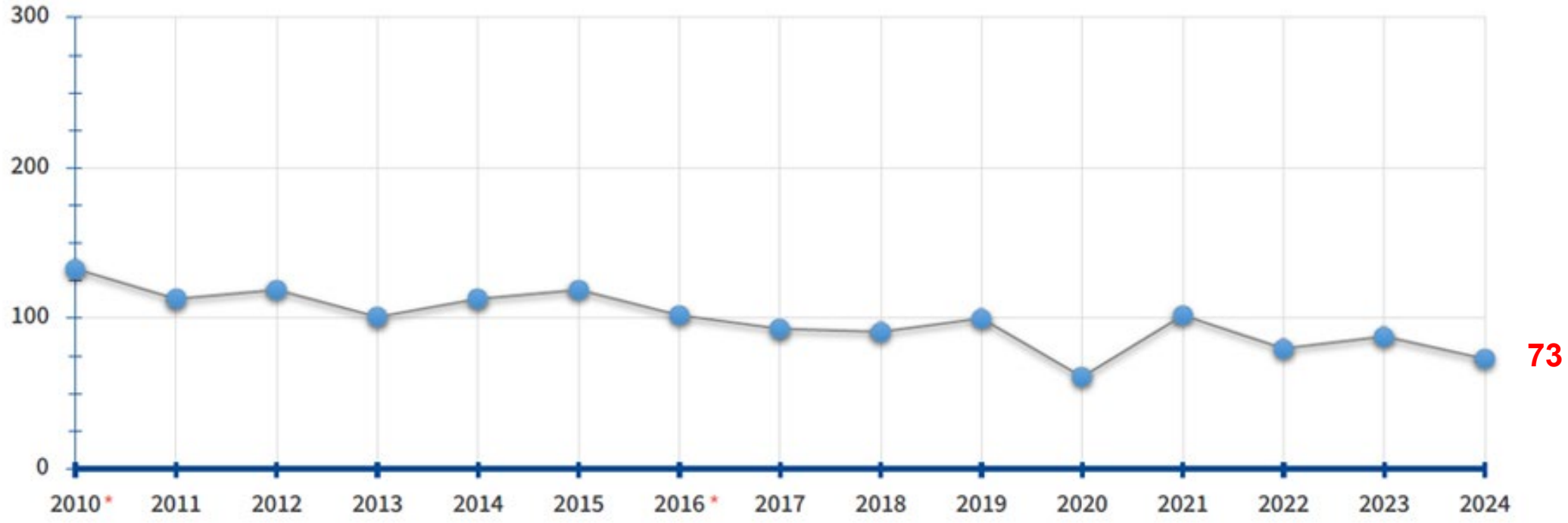
Number of reportable* accidents at work in total BG Verkehr



* 2010: Fusion mit der See-BG * 2016: Fusion mit der UK PT

*Reportable accidents at work are accidents resulting in more than three days' absence from work (including “way-to-work-accidents”)

Number of fatal work and commuting accidents in total BG Verkehr



* 2010: Fusion mit der See-BG * 2016: Fusion mit der UK PT

Deaths by category in Germany 2023

source: Government (Statistisches Bundesamt)

Age	total	Deaths by category				
		Accidents at *work*/school	traffic accidents	accidents at home	sports accidents	other accidents
unter 1 Jahr	13	-	.	7	-	4
1 bis 4	59	-	12	19	.	27
5 bis 15	81	.	28	13	12	27
15 bis 25	611	29	335	53	14	180
25 bis 35	723	37	286	101	21	278
35 bis 45	903	44	281	189	7	382
45 bis 55	1 182	52	301	306	17	506
55 bis 65	2 432	109	474	826	30	993
65 bis 75	3 576	34	420	1 615	24	1 483
75 bis 85	8 980	14	500	4 643	26	3 797
85 und älter	15 212	7	297	8 616	20	6 272
total	33 772	327	2 936	16 388	172	13 949

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Aviation	2018	2019	2020	2021	2022
Member companies	4.342	4.503	4.634	4.740	4.970
Full worker	130.084	124.805	123.239	112.343	116.968
Reportable accidents at work	3.143	2.977	1.338	1.490	1.907
Reportable commuting accidents	745	760	411	322	494
total	3.888	3.737	1.749	1.812	2.401
Thousand-man quota Aviation	24,16	23,85	10,86	13,26	16,30
Thousand-man quota BG Verkehr	44,41	43,62	39,32	43,01	37,92
New occupational accident pensions	19	21	20	19	10
New commuting accident pensions	8	11	14	5	0
Compensation benefits BG Verkehr in Million €	657,75	684,83	690,09	691,86	693,24
Compensation benefits aviation BG Verkehr in Million €	21,24	22,57	21,67	20,63	20,38

*Reportable accidents at work are accidents resulting in more than three days' absence from work (including “way-to-work-accidents”)

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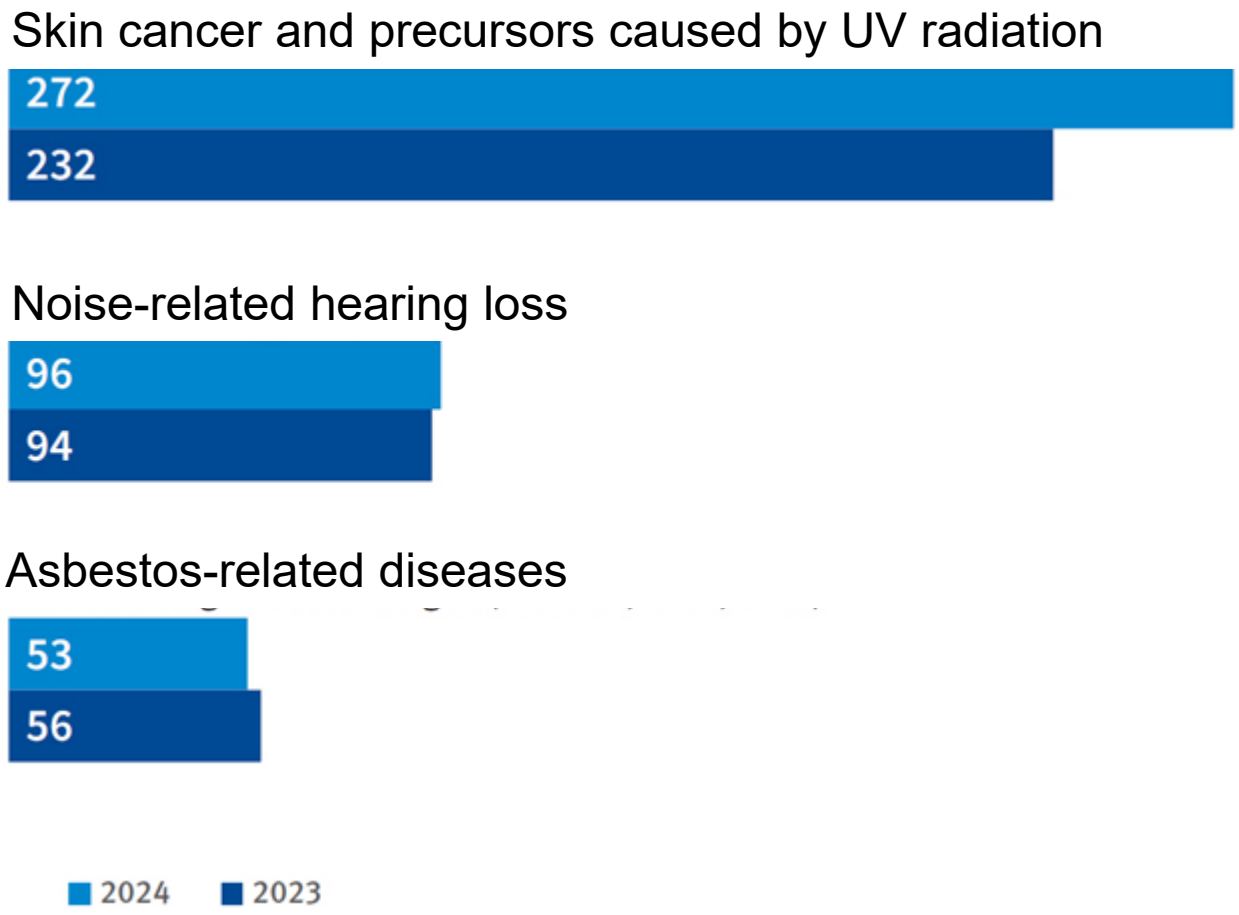
reported and recognised occupational diseases

o.d. name	2017	2018	2019	2020	2021	2022
2301 Noise-induced hearing loss	57 / 13	53 / 12	78 / 13	43 / 29	43 / 20	47 / 13
5101 Skin diseases	20 / 0	19 / 0	21 / 0	19 / 0	15 / 0	19 / 4
5103 Squamous cell carcinoma or multiple actinic keratosis	23 / 2	34 / 6	27 / 3	23 / 14	19 / 9	22 / 7
3104 Tropical diseases (malaria)	10 / 9	8 / 4	10 / 6	2 / 7	5 / 3	3 / 3
2108 Lumbar spine, lifting and carrying	6 / 0	8 / 0	6 / 0	6 / 0	5 / 0	12 / 0
1307 Phosphorus (organic)	9 / 0	1 / 0	6 / 0	3 / 0	0 / 0	3 / 0
4104 Lung and laryngeal cancer due to asbestos	7 / 0	1 / 0	4 / 0	1 / 1	2 / 0	1 / 0
2402 Ionising radiation	1 / 0	3 / 0	4 / 0	2 / 0	1 / 0	5 / 0
1301 Urinary bladder cancer due to aromatic amines	1 / 0	0 / 0	3 / 0	8 / 0	2 / 0	5 / 0
1318 Benzene, blood and lymphatic system	1 / 0	4 / 0	10 / 0	10 / 0	7 / 0	3 / 0
Other occupational diseases	31 / 4	15 / 11	49 / 4	27 / 6	29 / 9	18 / 2
total	163 / 28	166 / 27	201 / 26	140 / 57	128 / 41	147 / 29

Top-three occupational diseases occurred particularly frequently in BG Verkehr as a whole



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Cost-intensive accidents Aviation 1.05.24 - 01.04.2025

Course of accident	injury	job	costs in €
Car driver collided head-on with a truck	Multiple contusions and fractures of the lower extremities	IT Consultant	**113.175€**
Lost consciousness on the stairs and fell	10 cm head laceration	Aircraft mechanic	**107.340€**
Assaulted on the way to work on his own doorstep. Pushed to the ground by the perpetrator	Fracture of thoracic vertebral body 12 and lumbar vertebral body 1	IT Manager	**107.243€**
Cyclist drove through a pothole and crashed	Multiple fractures of the elbow and foot on the right	layout engineer	**100.334€**
Lost control of the car	Multiple comminuted fractures entire body	Aircraft mechanic	**65.044€**
Falling over the edge of the carpet in the “**home office**”	Fracture of the proximal humerus and shoulder dislocation	Clerc	**63.668€**
While transferring from the flight kit (trolley case) fell forward and hit the knee	Left kneecap broken	Flight attendant	**61.674€**
Fell from the step when opening the cargo door and fell onto the thorax/neck area	**Paraplegics**	loader	**54.239€**
Plane crash shortly after take-off with Learjet	Multiple **fatal** injuries	Pilot	**50.359€**
Crashed from a height of approx. 50 m during a training jump	Fracture of lumbar vertebral body 5, fracture of metatarsus, pelvic fracture, etc.	Skydiving instructor	**47.508€**

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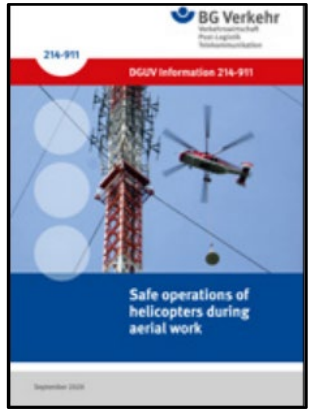
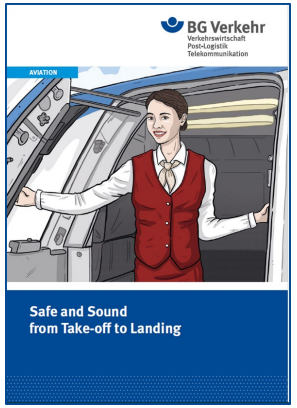
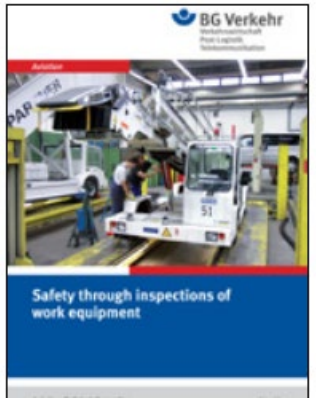
Course of accident	injury	job	costs in €
Plane crash shortly after take-off with Learjet (2nd officer)	Multiple **fatal** injuries	Pilot	**37.998€**
Thumb overstretched when closing a waste garbage can in the on-board toilet	Thumb joint and tendon hyperextended	Flight attendant	**36.460€**
Twisted over on landing during a tandem jump	Ankle dislocation	Trainee	**36.177€**
Cut his left hand on a sharp edge while waiting at the bus stop	Deep cut	Flight attendant	**31.643€**
Fell while lifting out the slide-in boxes in the galley	Contusion of the shoulder joint	Flight attendant	**29.305€**
Twisted his right foot while descending stairs at the airport	Ankle fracture with surgical intervention	Loader	**28.608€**
Twisted wrist during exercise on the emergency slide	Closed fracture of the wrist	Flight attendant	**27.224€**
Crashed while approaching a red light on a bicycle	Right ankle sprain	Clerc	**26.297€**
Stuck at the security checkpoint when passing through the turnstile	Closed fracture of the femoral neck	Clerc	**25.614€**
Flown into a cable car cable during take-off as a paragliding instructor	Open fracture of both lower legs	Skydiving instructor	**23.395€**

Any other business

- BG Verkehr is publishing more and more information or regulations in ***different languages*** (some examples)
  - **Safe operations of helicopters during aerial work**
  - **Safe and Sound from Take-off to Landing**
  - **Safety through inspections of work equipment**
  - Attention on the Road
  - Lifting and carrying
  - Coupling – but safely!
  - Purchasing guide for company vehicles
  - Training for work on vehicles with high voltage systems
  - First aid (poster)
  - Instructing while reversing -) (Video)







Additional national information

- As part of a package of measures to **reduce bureaucracy**, the federal government is planning to reduce the number of safety officers (Sicherheitsbeauftragte) in order to ease the burden on companies. The obligation to appoint a safety officer is to be abolished for companies with fewer than 50 employees. Larger companies with up to 250 employees will in future be able to limit themselves to a single (!) safety officer. The aim is to relieve the burden on around 123,000 officers and save the economy approximately €135 million, but this also raises concerns about occupational safety.

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Thank you very much for your attention!

Any questions?

> helge.homann@bg-verkehr.de

Helge Homann
BG Verkehr