

Directive
on fees for the provision and use of geographic reference data
of the Surveying Authorities of the Laender of the Federal Republic of Germany
(AdV Fee Directive – AdV-GR)

of 19 January 2023 (version 3.2.8)

This document is written in German and English. In the event of any contradictions between the German text and the English text of this document, the German text prevails.

Introduction

The surveying and cadastre authorities of the Laender of the Federal Republic of Germany are responsible for collecting and maintaining geographic reference data and making it available for use according to the needs of the state authorities and the general public. For the provision and use of geographic reference data, the Laender charge *fees* in so far as they are obliged to do so according to the legal requirements.

The aim of the official German surveying and mapping is to contribute to the wide *distribution* and use of geographic reference data by means of simple *fee* and licensing structures. In particular, the geographic reference data can be used for the customer's own use or for the production of *derived products* and *derived services*.

The *Fee Directive* is binding for the cross-Land provision of geographic reference data and geospatial data services, and products derived from these, to the extent that they are supplied by the central distribution agencies. In this context, it may be that geographic reference data and geospatial data services that are subject to charge also contain geographic reference data or geospatial data services of the federal government and individual Laender that are free of charge.

In issuing their *fee* regulations the Laender are asked to adopt the regulations of the *Fee Directive*.

The regulations according to

- section 1.2.2, Table 1b, no. (1) (scale level 1,000),
- section 2, para. 3 (*viewing services*),
- section 3.1, para. 2 (*affiliated companies*) and
- sections 3.2.1 and 3.2.2 (*external uses*)

do not apply to the ALKIS® *presentation editions* mentioned in part B1 of Appendix B and the ALKIS® data sets mentioned in part B2 of Appendix B.

The regulations according to

- section 3.2.1 (reselling),
- section 3.2.2, Table 4, lines 6 and 7 (*sublicensing* without naming of the sublicensee and *sublicensing* to other sublicensees)

do not apply to the product "*land parcel information*" mentioned in part B2 of Appendix B.

This directive replaces AdV-GR version 3.2.7 in the edition of 1 October 2022 and enters into force retroactively on 1 January 2023.

Contents

1	Basis of calculation.....	3
1.1	Fee.....	3
1.2	Quantity of information	3
1.2.1	Size of area	3
1.2.2	Number of objects.....	3
1.2.3	Number of pixels	4
1.2.4	Duration	4
1.3	Multiple copies.....	4
1.4	Data format.....	4
1.5	Minimum fee	4
1.6	Updates	5
1.7	Reduction for geographic reference data free of charge according to individual Laender laws	5
2	Provision.....	6
3	Use.....	7
3.1	Internal use	7
3.2	External use	7
3.2.1	Transfer of unmodified geographic reference data (reselling).....	7
3.2.2	Transfer of geographic reference data in modified form (enrichment) in derived products or derived services.....	8
	Appendix A – AFIS®, SAPOS® and quasigeoid geographic reference data.....	9
A1	AFIS® presentation editions	9
A2	AFIS® data sets	9
A3	SAPOS® data.....	9
A4	Quasigeoid data	12
	Appendix B – ALKIS® geographic reference data.....	13
B1	ALKIS® presentation editions	13
B2	ALKIS® data sets and products.....	13
	Appendix C – ATKIS® geographic reference data.....	14
C1	ATKIS® presentation editions	14
C2	ATKIS® data sets	14
	Appendix D – Other AAA products and services.....	16
D1	3D Building Models	16
D2	WebAtlasDE	16
D3	Geocoding service.....	16
	Appendix E - Overview of the geographic reference data to provide pursuant to section 1.7.....	18
E1	Overview of the geographic reference data to provide pursuant to section 1.7.....	18
	Appendix Glossary	19

1 Basis of calculation

1.1 Fee

For the provision of and right to use geographic reference data, *fees* are charged on a one-time and/or annual basis. These are calculated on the basis of the basic amounts in Appendices A to D and the applicable regulations under sections 1 to 3.

1.2 Quantity of information

- (1) The *fee* is calculated according to the **size of area**, the **number of objects**, the **number of pixels** or the **duration**.
- (2) The basic amounts in Appendices A to D are, unless otherwise stated, multiplied by the appropriate **discount factor** in **Tables 1a** to **1c**, according to the amount of information per amount category, and the subtotals resulting from this are then added together.

1.2.1 Size of area

If the geographic reference data is billed in relation to area, the *fee* amount is based on the size of the area. The calculation is made for each data set or product.

No.	Amount of information 'land area [km²]'		Factor	Note
(1)	1 up to and including	500	1.0	
(2)	501 up to and including	5,000	0.5	in addition to (1)
(3)	5,001 up to and including	25,000	0.25	in addition to (1) and (2)
(4)	25,001 up to and including	50,000	0.125	in addition to (1) to (3)
(5)	50,001 up to and including	100,000	0.0625	in addition to (1) to (4)
(6)	over	100,000	0.03125	in addition to (1) to (5)

Table 1a
Discount factors by size of area

1.2.2 Number of objects

If the geographic reference data is billed in relation to the objects (vector data), the *fee* amount is based on the number of objects. The calculation is made for each data set or product.

No.	Amount of information 'objects [number]'		Factor	Note
(1)	1 up to and including	1,000	1.0	
(2)	1,001 up to and including	10,000	0.5	in addition to (1)
(3)	10,001 up to and including	100,000	0.25	in addition to (1) and (2)
(4)	100,001 up to and including	1,000,000	0.125	in addition to (1) to (3)
(5)	1,000,001 up to and including	10,000,000	0.0625	in addition to (1) to (4)
(6)	over	10,000,000	0.03125	in addition to (1) to (5)

Table 1b
Discount factors by number of objects

1.2.3 Number of pixels

If the *fee* amount for the *online provision* of geographic reference data via *viewing services* is based on the number of pixels accessed, the total number of pixels for all products is to be calculated.

No.	Amount of information 'pixels in millions [Mpx]'		Factor	Note
(1)	1 up to and including	1,000	1.0	
(2)	1,001 up to and including	10,000	0.5	in addition to (1)
(3)	10,001 up to and including	100,000	0.25	in addition to (1) and (2)
(4)	100,001 up to and including	1,000,000	0.125	in addition to (1) to (3)
(5)	1,000,001 up to and including	10,000,000	0.0625	in addition to (1) to (4)
(6)	10,000,001 up to and including	100,000,000	0.03125	in addition to (1) to (5)
(7)	over	100,000,000	0.015625	in addition to (1) to (6)

Table 1c
Discount factors by number of pixels

1.2.4 Duration

The *fee* amount for accessing SAPOS[®] data is based on the duration of use.

1.3 Multiple copies

The *fee* amount for multiple copies of *presentation editions* measuring up to a maximum of DIN A3 is based on the number of copies, provided the additional copies are produced in a single cycle with the first copy. The basic amount for the provision of *presentation editions* is to be multiplied by the appropriate factor.

Copies	Factor (end consumer)
First copy	1.0
Each additional copy	0.2

Table 1d
Factors according to the number of copies

1.4 Data format

If geographic reference data is standardly maintained in vector format, *fees* for the provision of raster data derived from it are to be calculated using a factor of 0.25.

1.5 Minimum *fee*

For the provision of and/or right to use digital geographic reference data, a minimum *fee* of €50.00 is charged per request. This does not apply to products and services that are free of charge.

1.6 Updates

For the provision of updated geographic reference data, 18% of the *fee* applicable for the first-time provision of the geographic reference data in accordance with this directive is charged per year.

1.7 Reduction for geographic reference data free of charge according to individual Laender laws

- (1) Insofar as the Central Offices ("Zentrale Stellen") provide geographic reference data of a Land, that are free of charge according to its individual law on fees and charges, the factor 0.3 has to be applied for the geographic reference data concerned and listed in Table E.1 in Appendix E
 - on the respective *fee* (as of Appendix A) or rather
 - on the respective basic amount (as of Appendices B, C and D) or rather
 - on the basic amount pursuant to section 2 para. 3 sentence 2.
- (2) Regarding the reduction of the quantity of information pursuant to section 1.2, the data of the Laender according to para. 1 will be set on the end of the amount category.

2 Provision

- (1) For the provision and the right to the *internal use* of geographic reference data, a *fee* (provision *fee*) based on the basic amounts in Appendices A to D is charged, taking into account the applicable regulations stated in section 1 (Basis of calculation).
- (2) For *download services*, the *fee* pursuant to para. 1 applies. A maximum fee per year can arise, equivalent to the one-time fee for the requested area.
- (3) For *viewing services*, a flat rate of 3% of the *fee* pursuant to para. 1 is charged annually. Alternatively, the *fee* can be determined according to the number of pixels accessed, with a basic amount of €0.10 / 1 million pixels (Mpx). The discount factors in section 1.2.3, Table 1c, are to be taken into account. Section 1.6 does not apply.
- (4) For the provision of upgrades including the right to internal use a fee is charged, resulting from the difference of the fees for the first-time provision including the right to internal use. This only applies to provision pursuant to section 2, para. 1 or section 2, para. 2, sentence 2 and within the following product groups:
 - products pursuant to section C2.2,
 - products pursuant to section C2.3,
 - products pursuant to section D1 including building polygons pursuant section B2.

3 Use

3.1 *Internal use*

- (1) Provision pursuant to section 2 includes the right to *internal use* by the licensee.
- (2) For the right to *internal use* by *affiliated companies* of the licensee, the *fee* pursuant to section 2 is multiplied by the following factors:

Number of <i>affiliated companies</i> of the licensee	Factor
up to and including 2	1.5
more than 2	2.5

Table 2
Factors for use by *affiliated companies*

3.2 *External use*

- (1) With provision pursuant to section 2 the right to the following *external uses* by the licensee is deemed to be granted:
 - Placing individual images on Internet pages if the Internet page can be accessed free of charge, the data for each website (Internet domain) maintained by the licensee does not exceed 10 static images with a maximum of 1 million pixels per image and a reference to the source (© GeoBasis-DE / *licensor's abbreviation* <year>) is provided as a link to the licensor's Internet page. This regulation also applies mutatis mutandis to other media (analogue media, print files).
 - The *transfer* free of charge of annually a maximum of 100 analogue *copies* from the data and services up to DIN A3 format.
 - Using the data and services for teaching purposes in classroom settings or courses.
 - Presenting the data and services at exhibitions and similar events at which the licensee is participating as an exhibitor or organiser.
- (2) For *external uses* beyond this, a *fee* is charged pursuant to section 3.2.1 or 3.2.2 (utilisation *fee*).

3.2.1 *Transfer of unmodified geographic reference data (reselling)*

- (1) An annual *fee* of 5% of the provision *fee* is only charged in the case of an *offline provision* of digital geographic reference data. Section 1.6 does not apply.
- (2) For every case of resale, the licensee (distribution partner) is charged a utilisation *fee*, which is calculated by multiplying the *fee* pursuant to section 2, para. 1, by a factor of 0.6.

3.2.2 *Transfer of geographic reference data in modified form (enrichment) in derived products or derived services*

- (1) For the first-time provision of digital geographic reference data, a maximum *fee* of €5,000.00 is charged pursuant to section 2. As of the second year, a maximum *fee* of €900.00 is charged for the provision of updated geographic reference data pursuant to section 1.6. These regulations do not apply to data from part A3 of Appendix A nor to analogue geographic reference data.
- (2) For the right to utilisation, an annual *fee* is charged pursuant to Table 3 or Table 4. Section 1.6 does not apply.

Number of uses as <i>derived product</i> or <i>derived service</i>	Utilisation <i>fee</i> in percent of the <i>fee</i> pursuant to section 2, para. 1
	Appendices A1, A2, A4, B – E
one to three	10
more than three	20

Table 3
Utilisation *fee* for external use in derived products and services

<i>Sublicensing of derived products and derived services</i>			
Sublicensee		Transfer exclusively to end users	Utilisation <i>fee</i> in percent of the <i>fee</i> pursuant to section 2, para. 1
Number	Named		Part A3 of Appendix A, Appendices B-E
One	yes	yes	20
Two	yes	yes	30
Three	yes	yes	40
Four	yes	yes	50
more than four	yes	yes	75
	yes	no	300
	no	no	400

Table 4
Utilisation *fee* for sublicensing

- (3) If, after the termination of a licence with a limited time period pursuant to para. 2, the continued use of the data that had been provided until the end of the licence period is agreed on, the following differentiated *fee* is charged as a one-off payment:
- | | |
|--|-----|
| for the first year of continued use | 80% |
| for the second year of continued use | 50% |
| for the third year of continued use | 35% |
| as of the fourth year of continued use | 0% |
- of the annual *fee* pursuant to para. 2.

Appendix A – AFIS[®], SAPOS[®] and quasigeoid geographic reference data

A1 AFIS[®] presentation editions

The basic amount for the provision of **AFIS[®] presentation editions** can be found in **Table A.1** for the respective product.

Edition/product	€ per product
Point lists (for every 50 points or part thereof)	20.00
Individual certificate (including point description)	10.00
General maps of control stations (up to and including DIN A3)	10.00
General maps of control stations (larger than DIN A3)	20.00

Table A.1
Basic amounts for AFIS[®] presentation editions

A2 AFIS[®] data sets

The *fee* for the provision of **AFIS[®] data sets** is based on the basic amount in **Table A.2**. The objects are counted for each product (geodetic position control station, geodetic height control station, geodetic gravity control stations, reference station points, and geodetic land network points).

AFIS [®] data sets	€ per object
Control station (for each product)	0.90

Table A.2
Basic amount for the provision of AFIS[®] data sets

A3 SAPOS[®] data

A3.1 Real-Time Positioning Service (EPS)

- (1) The *fee* for EPS data via USW or LW is covered by the purchase of the USW or LW decoder.
- (2) The *fee* for EPS data via 2-metre radio or GSM is:

EPS data (2-metre radio / GSM)	€ per year
per Land	150.00

A3.2 High-Precision Real-Time Positioning Service (HEPS)

- (1) At a clock rate of 1 hertz, the *fee* is:

HEPS data (1 hertz clock rate)	€ per minute or part thereof
per measurement / dial-up	0.10

- (2) Alternatively, the following flat *fee* may be charged for each activation of a registered telephone number or assignment of an individual user ID.

HEPS data (1 hertz clock rate)	€ per month
per activation	250.00

- (3) At the special request of cross-regional HEPS users of the RTCM AdV format, it is possible to get access for the area of **all the Laender** that provide this service. In this case the following extra *fee* is charged in addition to the *fee* pursuant to para. 1.

HEPS data (1 hertz clock rate)	€ per activation
additional <i>fee</i>	250.00

- (4) For users who are active Land-wide or nationwide, a reduction of up to **30%** may be granted depending on the extent of use of SAPOS[®] data.
- (5) If quotas of hours are agreed on in advance for the next 12 months, the following discount factors are applied to the *fee* pursuant to para. 1:

HEPS data (1 hertz clock rate)	Factor
for 120 to fewer than 360 hours	0.9
for 360 to fewer than 600 hours	0.8
for 600 hours or more	0.7

Units that are not used expire after 12 months.

- (6) For the use of SAPOS[®] data, each end user is charged a **minimum *fee*** in accordance with the following table, which is to be paid as a minimum every month irrespective of the data use. In the case of concurrent registration with SAPOS[®] GPPS (section A3.3, para. 5), the minimum *fee* is only charged once. If quotas of hours pursuant to para. 5 are used, the minimum *fee* does not apply.

SAPOS [®] data	€ per month
minimum <i>fee</i>	10.00

A3.3 Geodetic Post-Processing Positioning Service (GPPS)

- (1) The *fee* for each reference station is based on the basic amounts in **Table A.3**.

GPPS data (clock rate)	€ per minute
≤ 1 hertz	0.20
> 1 hertz	0.80

Table A.3
Basic amounts for the provision of GPPS data

- (2) Alternatively, with a clock rate of ≤ 1 hertz the following flat *fee* for each reference station may be charged.

GPPS data	€ per month
flat <i>fee</i> per reference station	500.00

- (3) The *fee* for the SAPOS® GPPS calculation service GPPS-PrO is charged pursuant to **Table A.3**. The basis for calculation is the time period during which the user recorded measurement data, which they then transfer online to the SAPOS® Central Office for processing.
- (4) For users who are active Land-wide or nationwide, a reduction of up to **30%** may be granted depending on the extent of use of SAPOS® data.
- (5) If quotas of hours are agreed on in advance for the next 12 months, the following discount factors are applied to the *fee* pursuant to para. 1:

GPPS data	Factor
for 120 to fewer than 360 hours	0.9
for 360 to fewer than 600 hours	0.8
for 600 hours or more	0.7

Units that are not used expire after 12 months.

- (6) For the use of SAPOS® data, each end user is charged a **minimum fee** in accordance with the following table. In the case of concurrent registration with SAPOS® HEPS (section A3.2, para. 6), the minimum *fee* is only charged once. If quotas of hours pursuant to para. 5 are used, the minimum *fee* does not apply.

SAPOS® data	€ per month
minimum <i>fee</i>	10.00

A3.4 Operating one's own real-time positioning services for *internal* and *external* use

- (1) When data from fewer than 20 reference stations is used, a flat *fee* pursuant to **Table A.4** is charged for each reference station used (this *fee* includes all uses pursuant to sections A3.1 to A3.3). In the case of sublicensing an additional utilisation *fee* will be charged pursuant to section 3.2.2, para. 2, Table 4.

< 20 reference stations	€ per month or part thereof
per reference station (one-year agreement term)	480.00
per reference station (five-year agreement term)	400.00

Table A.4
Use by service providers (< 20 reference stations)

For intermediate lengths of agreement, the flat *fee* is determined by linear interpolation.

- (2) The *fee* pursuant to **Table A.4** is reduced pursuant to **Table A.5** if the availability (relating to the time frame from 6 a.m. to 6 p.m. on working days excluding Saturday in one calendar month and one reference station) is limited. This right to reduction is excluded if the agency providing the service is not informed of the limitations within two working days by email or by fax.

Availability [%]	Factor
< 98.5 to 90.0	0.75
< 90.0 to 75.0	0.50
< 75.0 to 50.0	0.25
< 50.0	0

Table A.5
Fee reduction in the case of limited availability

- (3) When data from at least 20 reference stations is used, a *fee for derived services* is charged depending on usage. The *fee* amount is based on the extent to which the services pursuant to sections A3.1 to A3.3 are utilised.

The *fee* is calculated according to section A3.2, para. 1, and a reduction of 70% is granted. The provision of a real-time positioning service pursuant to section A3.1 is included in this. Please note the minimum and maximum *fees* pursuant to **Table A.6**. In the case of sublicensing an additional utilisation *fee* will be charged pursuant to section 3.2.2, para. 2, table 4 relating to the respective Minimum *fee*.

Number of reference stations provided	Minimum fee € per year	Maximum fee € per year
20 to 100	52,000	144,000
up to 150	58,500	162,000
up to 200	65,000	180,000
up to 250	71,500	198,000

Table A.6
Minimum and maximum *fees* for use by
service providers (at least 20 reference stations)

- (4) The fees pursuant to Table A.6 shall be reduced as long as the Laender provide the services pursuant to sections A3.1 to A3.3 free of charge. The proportion by which the fees pursuant to Table A.6 are to be reduced corresponds to the percentage share of the Laender concerned in the “Königstein formula” valid at the time the fee reduction is applied multiplied by a factor of 0.7. The resulting reduced fees will be rounded to a full 500.00 €.

A4 Quasigeoid data

- (1) The basic amount for the provision of the data of the quasigeoid can be found in **Table A.7** for the respective number.

Number of geoid subareas	€
1	250.00
2	450.00
3	600.00
more than 3	750.00

Table A.7
Basic amounts for the geoid

- (2) For subsets of individual geoid subareas, the basic amount is calculated as the proportion the subsets constitute of the complete data volume of the geoid part in question.

Appendix B – ALKIS® geographic reference data

B1 ALKIS® presentation editions

The basic amount for the provision of **ALKIS® presentation editions** can be found in **Table B.1** for the respective product.

Edition/product	€ per product
Real estate map (up to and including DIN A3)	20.00
Real estate map (larger than DIN A3 up to and including DIN A0)	40.00
Land parcel certificate ("Flurstücksnachweis")	10.00
Land parcel and ownership certificate ("Flurstücks- und Eigentümersnachweis")	
Certificate from land register ("Grundstücksnachweis")	
Certificate from land register with ownership information ("Bestandsnachweis")	20.00

Table B.1
Basic amounts for ALKIS® presentation editions

B2 ALKIS® data sets and products

The basic amount for the provision of **ALKIS® data sets / products** can be found in **Table B.2** for the respective data set / product. The objects are counted per data set / product.

ALKIS® data sets	€ per object	Maximum fee € per ALKIS data set
Complete delivery on land parcel basis	3.80	-
Complete delivery on land parcel basis (without owners)	3.30	-
Land parcels	1.80	-
Buildings	0.90	-
Actual Use	0.90	-
Land valuation	0.90	-
Owners	0.90	-
Product	€ per object	Maximum fee € per product
House coordinates	0.15	80,000
Building polygons	0.12	see Appendix E
Land parcel information	1.80	see Appendix E

Table B.2
Basic amounts for ALKIS® data sets and products

The objects listed in the column "ALKIS® data sets / Product" are counted. More details can be found in the appendix "ALKIS® feature type fields". Point and line auxiliary objects are covered by the basic amounts.

It is permissible to charge an average fee for a land parcel based on a statistical survey in the Land and to base the ALKIS® complete delivery or calculations in shop systems on this average fee.

Appendix C – ATKIS® geographic reference data

C1 ATKIS® presentation editions

The *fee* for the provision of **ATKIS® presentation editions** is based on the basic amount in the following table.

<i>Presentation edition</i>	<i>per map sheet in €</i>
Topographic Maps (TK)	5.00

Table C.1
ATKIS® presentation editions

C2 ATKIS® data sets

C2.1 Digital Landscape Models

- (1) The basic amount for the provision of **Digital Landscape Models (DLM)** can be found in **Table C.2** for the respective product.

For individual DLM feature type fields, the basic amounts in **Table C.2** are to be multiplied by the appropriate value factor from **Table C.3**.

For subsets of individual feature type fields, the basic amount is calculated as the proportion the subsets constitute of the complete data volume of the feature type field in question. An overview is available in the appendix “Subsets of ATKIS feature type fields”.

Digital Landscape Models	Product			
	Basis-DLM	DLM50	DLM250	DLM1000
	€/ km ²	€/ km ²	€/ km ²	€/ km ²
Basic amounts	7.50	2.00	free of charge	

Table C.2
Digital Landscape Models (DLM)

Feature type field	Factor
- settlement	0.35
- transport	0.35
- vegetation	0.15
- bodies of water	0.10
- areas	0.05
- relief	0.15

Table C.3
Value factors for ATKIS®-DLM

- (2) Details on the feature types contained in the individual feature type fields can be found in the appendix “ATKIS® feature type fields”.
- (3) DLM data sets can optionally be provided on an object-by-object basis for a basic amount of **€0.06 / object**.

C2.2 Digital Terrain Models

The basic amount for the provision of **Digital Terrain Models (DGM)** can be found in **Table C.4** for the respective product.

Digital Terrain Models	Product							
	DGM1	DGM2	DGM5	DGM10	DGM25	DGM50	DGM200	DGM1000
Standard grid size	1 m	2 m	5 m	10 m	25 m	50 m	200 m	1,000 m
	€ / km ²	€ / km ²	€ / km ²	€ / km ²	€ / km ²	€ / km ²	€ / km ²	€ / km ²
Basic amounts	80.00	50.00	20.00	10.00	4.00	1.00	free of charge	

Table C.4
Digital Terrain Model (DGM)

C2.3 Digital Orthophotos

The basic amount for the provision of **Digital Orthophotos (DOP)** can be found in **Table C.5** for the respective product.

Digital Orthophotos	Product	
	DOP20	DOP40
	€ / km ²	€ / km ²
Basic amounts	9.00	6.00

Table C.5
Digital Orthophotos (DOP)

C2.4 Digital Topographic Maps

The basic amount for the provision of **Digital Topographic Maps (DTK)** can be found in **Table C.6** for the respective product.

For individual feature type fields of the DTK derived from the DLM, the basic amounts in **Table C.6** are to be multiplied by the appropriate value factor from **Table C.3**. For individual feature type fields of the preliminary edition of the DTK (DTK-V), the basic amounts in **Table C.6** are to be multiplied by the appropriate value factor from **Table C.7**.

For subsets of individual feature type fields, the basic amount is calculated as the proportion the subsets constitute of the complete data volume of the feature type field in question.

Digital Topographic Maps	Product					
	DTK10	DTK25	DTK50	DTK100	DTK250	DTK1000
	€ / km ²	€ / km ²	€ / km ²	€ / km ²	€ / km ²	€ / km ²
Basic amounts	4.00	1.00	0.30	0.10	free of charge	

Table C.6
Digital Topographic Maps (DTK)

Feature type field	Factor
- ground plan / labelling	0.60
- vegetation	0.15
- bodies of water	0.10
- contour lines	0.15

Table C.7
Value factors for ATKIS®-DTK-V

C2.5 Digital Surface Model based on data basis bDOM

The basic amount for nationwide or cross-Land provision of **Digital Surface Models (DOM1)** on imagery based reference data (**image based DOM**) can be found in **Table C.8**.

Image based DOM	
Standard-grid size	1 m or in the next higher resolution available
	€ / km ²
Basic amount	15.00

Tabelle C.8
Digital Surface Model (DOM)

Appendix D – Other AAA products and services

D1 3D Building Models

The basic amount for the provision of **3D Building Models** can be found in **Table D.1** for the respective product.

3D Building Models	Product	
	LoD1	LoD2
	€ per object	€ per object
Basic amount	0.27	0.45

Table D.1
Basic amounts for 3D Building Models

If, for functional or technical reasons, an object-based method of counting is not possible, alternative regulations, e.g. area-based approaches, are permissible within individual Laender.

D2 WebAtlasDE

- (1) The provision of WebAtlasDE is exclusively at a cross-Land level. For this the following *fee* model applies:

WebAtlasDE / WebAtlasDE.light		Fee
Product	Provision and use	
Both	viewing for anyone	
WebAtlasDE.light	internal and external use for anyone	
WebAtlasDE	internal use	- private use
		- teaching at schools
		- scientific research and teaching at public colleges and universities
		- commercial use
	external use through transfer with modification	- to create derived products and/or derived services

Table D.2
WebAtlasDE fee model

- (2) The basic amount for calculating the utilisation *fee* for the *external use* of WebAtlasDE is 20% of the *fee* stipulated in **Table C.2** for the Basis-DLM.

D3 Geocoding service

The provision of the location search service takes place exclusively nationwide for flat fees. The provision of the geocoding service is exclusively at a cross-Land level. The basic amount, the flat fee and the maximum fee of the geocoding service for the particular service can be found in **Table D.3**. The respective objects will be counted per service.

Location search service	€ / object	Flat fee provision € / year	Maximum fee Utilisation of up to three derived uses € / year
House coordinates, geographical names of the Lander	0,023	470	2.400
land parcel coordinates	0,023	970	see Appendix E
Geocoding service including reverse functionality		Maximum fee provision € / year	Maximum fee Utilisation of up to three derived uses € / Jahr
House coordinates, geographical names of the Lander	0,15 0,06	80.000	8.000
Land parcel coordinates	0,15	see Appendix E	see Appendix E

Table D.3
Basic amounts, flat and maximum fees for the geocoding service

Appendix E – Overview of the geographic reference data to provide pursuant to section 1.7

E1 Overview of the geographic reference data to provide pursuant to section 1.7

In table E.1 can be seen, for which sections of the appendices A to D with geographic reference data from which Laender the fee pursuant to section 1.7 has to be calculated. In particular, the determined Maximum fees apply.

Product / data set / service	B B	B E	B W	B Y	H B	H E	H H	M V	N I	N W	R P	S H	S L	S N	S T	T H	Maximum fee provision in €	Maximum fee Utilisation up to three derived uses in €/year
A3.1 SAPOS-EPS	X	X	X		X	X	X		X	X				X		X		
A3.2 SAPOS-HEPS (excl. para. 3, 6)	X	X	X		X	X	X		X	X				X		X		
A3.3 SAPOS-GPPS (excl. para. 6)	X	X	X		X	X	X		X	X				X		X		
A3.4 Operating one's own real-time positioning services (excl. Table A.6)	X	X	X		X	X	X		X	X				X		X		
B2 ALKIS® data sets	X	X				X	X			X		X		X		X		
B2 ALKIS® product Building polygons	X	X				X	X			X		X		X	X	X	76,000	
B2 ALKIS® product Land parcel information	X	X				X	X			X		X		X		X	830,000	
C2.1 Basis-DLM	X	X				X	X		X	X		X		X		X	135,000	
C2.2 DGM1	X	X				X	X			X		X		X		X	1,142,000	
C2.2 DGM2	X	X				X	X			X		X		X	X	X	697,000	
C2.2 DGM5	X	X				X	X			X		X		X	X	X	279,000	
C2.2 DGM10	X	X				X	X			X		X		X	X	X	139,000	
C2.2 DGM25	X	X				X	X			X	X	X		X	X	X	54,000	
C2.2 DGM50	X	X		X		X	X			X	X	X		X	X	X	12,000	
C2.3 DOP20	X	X				X	X		X	X		X		X	X	X	158,000	
C2.3 DOP40	X	X				X	X			X	X	X		X	X	X	109,000	
C2.4 DTK25	X	X				X	X			X	X	X		X	X	X	18,100	
C2.4 DTK50	X	X				X	X			X	X	X		X	X	X	5,400	
C2.4 DTK100	X	X				X	X			X	X	X		X	X	X	100	
C3.5 DOM Imagery based, alternatively air-borne laser scanning based	X	X				X	X			X		X		X	X	X	279,000	
D1 3D building models LoD1	X	X				X	X		X	X		X		X	X	X	170,000	
D1 3D building models LoD2	X	X				X	X		X	X		X		X	X	X	284,000	
D2 WebAtlasDE	X	X				X	X			X		X		X		X		2,800
D3 location search service Land parcel coordinates	X	X				X	X			X		X		X		X		4,200
D3 geocoding service Land parcel coordinates	X	X				X	X			X		X		X		X	274,000	27,000

Tabelle E.1

Overview of the geographic reference data of the Laender pursuant to section 1.7 including maximum fees

Appendix Glossary

Modifying, reconfiguring

Modifying and *reconfiguring* mean, for example, making changes to the original, adding or omitting information, transferring the data to other materials or types of work, transforming it into other formats or placing it in other contexts. These activities themselves do not require a licence; however, the use, for example, of *modified* and *reconfigured* material on the *intranet*, or *copying* or *distributing modified* and *reconfigured* material and/or making it publicly available generally require a licence.

Viewing services

Viewing services make it possible, at minimum, to display viewable geospatial data sets, navigate within them, enlarge/reduce them, move them, and overlay data and display information from legends and other relevant metadata contents. They do not include permanent data storage (downloading).

Downloading services

Downloading services make it possible to download and, if practicable, directly access copies of complete geospatial data sets or parts of such sets. *Downloading services* with direct data access make it possible to download data sets at the time of use.

External use

External use means any kind of *transfer* of geographic reference data to third parties by the licensee, or making this data publicly available, whether or not it is *modified* to create *derived products* or *derived services*.

Derived services

Derived services are services of the licensee that directly or indirectly use the geographic reference data, whether in recognisable or unrecognisable form, or that place the licensor's geographic reference data in other contexts. This includes, for example, customer-related services such as navigation aids, and processing and providing sector-specific information based on geographic reference data.

Derived products

Derived products are analogue and digital products of the licensee that directly or indirectly use the geographic reference data, whether in recognisable or unrecognisable form. They are created e.g. through *modifying* geographic reference data, enhancing geographic reference data with thematic geographic data or linking geographic reference data with some kind of software.

Fee

The *fee* is the consideration for the provision of geographic reference data and the right to *internal* or, depending on the particular form of licensing, *external use*.

Internal use

Internal use means any use of geographic reference data within the private or business sphere of the licensee. The private sphere of the licensee also includes a limited circle of people who have a personal connection with the licensee. Activities of *internal use* are, in particular, the *modification*, *reconfiguration* or *copying* of geographic reference data or the use of the data on an *intranet*. The uses that require a licence (*copying* and use on an *intranet*) for *internal use* due to statutory provisions are referred to as "right to internal use".

Intranet

An *intranet* refers to a non-public computer network that serves the purpose of providing information and facilitating communication within a company or organisation.

The use of geographic reference data on an *intranet* therefore means making it available on a non-public computer network. These activities generally require a license.

Königstein formula

The *Königstein formula* governs the allocation of the Länder share in case of joint financing. The key is recalculated annually by the Joint Science Conference (Gemeinsame Wissenschaftskonferenz - GWK) and published in the Federal Gazette.

Offline provision

Offline provision means any non-network-connected provision of analogue or digital geographic reference data (e.g. by post).

Online provision

Online provision means the automated provision of data via an online shop feature or via services pursuant to article 11 of the INSPIRE Directive.

Presentation editions

Presentation editions mean ready-made products in analogue form (e.g. TK, plotting) or as a print file without spatial referencing (e.g. PDF), preferably as an automatically created representation.

Upgrade

An *upgrade* is, based on the same area, the provision of a product with a higher basic amount instead of an up-to-date product with a lower basic amount within a product group that has been provided until then. A product is considered up-to-date if it corresponds to the latest possible update.

Sublicensing

Sublicensing is the right to grant licences to third parties for *derived products* or *derived services*, allowing them to *copy* them, use them on an *intranet* or the Internet and *distribute* them.

Distribution

Distribution means supplying or putting into circulation the original or *copies* in physical form.

Affiliated companies

Affiliated companies exist when a corporation (parent company) can directly or indirectly exert a dominating influence over another enterprise (subsidiary company). Note: taken from article 290 of the German Commercial Code (HGB), article 271, para. 2, of HGB and article 15 of the German Stock Corporation Act (AktG).

Copying

Copying is the production of (physical) *copies* such as digitising or scanning *presentation editions* or burning digital data onto data storage devices. Such activity generally requires a licence; statutory exemptions exist particularly for private and other internal use.

Transfer

Transfer for the purpose of this directive means any *distribution*, forwarding, publication or provision of public access as defined by the German Act on Copyright and Related Rights.