# Smart MaaS Service Description

{

"status": [

"final",

"preliminary"

],

"URI Endpoint": "http",

"Discovery Support": "gestRest, list",

"Method": "GET",

“OpenApi JSON”: <https://docs.graphhopper.com/openapi.json>”,

"Schnittstellenbeschreibung": "@param @return",

"Servicetyp": ["Routing", "Vehicle Sharing", "Ridesharing", "PT Booking/Reservation", "isochrones", "glueware"],

"Functionality": "Funktionalität",

"Modality(Verkehrsmittel)": ["car", "kickscooter", "public transport", "bicycle", "scooter", "walking"],

"Systemarchitektur/Technologie(ggf. auch am Fahrzeug)": "what is needed to operate",

"Geschäftsmodell (Beteiligte, Einnahmen, Ausgaben)": "monetization scheme, intermediary"

}

## Schema

{

"$schema": "http://json-schema.org/draft-07/schema",

"$id": "http://example.com/example.json",

"type": "object",

"title": "The root schema",

"description": "The root schema comprises the entire JSON document.",

"default": {},

"examples": [

{

"status": [

"final",

"preliminary"

],

"Schnittstellenbeschreibung": "@param",

"Servicetyp": [

"Routing",

"Vehicle Sharing",

"Ridesharing",

"PT Booking/Reservation",

"isochrones",

"glueware"

],

"Functionality": "Funktionalität",

"Modality(Verkehrsmittel)": [

"car",

"kickscooter",

"public transport",

"bicycle",

"scooter",

"walking"

],

"Systemarchitektur/Technologie(ggf. auch am Fahrzeug)": "what is needed to operate",

"Geschäftsmodell (Beteiligte, Einnahmen, Ausgaben)": "monetization scheme, intermediary"

}

],

"required": [

"status",

"Schnittstellenbeschreibung",

"Servicetyp",

"Functionality",

"Modality(Verkehrsmittel)",

"Systemarchitektur/Technologie(ggf. auch am Fahrzeug)",

"Geschäftsmodell (Beteiligte, Einnahmen, Ausgaben)"

],

"additionalProperties": true,

"properties": {

"status": {

"$id": "#/properties/status",

"type": "array",

"title": "The status schema",

"description": "ist die Beschreibung freigegeben?",

"default": [],

"examples": [

[

"final",

"preliminary"

]

],

"additionalItems": true,

"items": {

"anyOf": [

{

"$id": "#/properties/status/items/anyOf/0",

"type": "string",

"title": "The first anyOf schema",

"description": "An explanation about the purpose of this instance.",

"default": "",

"examples": [

"final",

"preliminary"

]

}

],

"$id": "#/properties/status/items"

}

},

"Discovery Support": {

"$id": "#/properties/Discovery Support",

"type": "string",

"title": "API exploration",

"description": "Methoden zur Erkundung des API",

"default": "",

"examples": [

"getRest, list"

]

},

"Schnittstellenbeschreibung": {

"$id": "#/properties/Schnittstellenbeschreibung",

"type": "string",

"title": "Schnittstellenbeschreibung",

"description": "Beschreibung der Schnittstelle in JSDoc",

"default": "",

"examples": [

"@param @return"

]

},

"Servicetyp": {

"$id": "#/properties/Servicetyp",

"type": "array",

"title": "Servicetyp ",

"description": "Art des Services.",

"default": [],

"examples": [

[

"Routing",

"Vehicle Sharing"

]

],

"additionalItems": true,

"items": {

"anyOf": [

{

"$id": "#/properties/Servicetyp/items/anyOf/0",

"type": "string",

"title": "The first anyOf schema",

"description": "An explanation about the purpose of this instance.",

"default": "",

"examples": [

"Routing",

"Vehicle Sharing"

]

}

],

"$id": "#/properties/Servicetyp/items"

}

},

"Functionality": {

"$id": "#/properties/Functionality",

"type": "string",

"title": "The Functionality schema",

"description": "An explanation about the purpose of this instance.",

"default": "",

"examples": [

"Funktionalität"

]

},

"Modality(Verkehrsmittel)": {

"$id": "#/properties/Modality(Verkehrsmittel)",

"type": "array",

"title": "Modality",

"description": " Welche Modi werden unterstützt?",

"default": [],

"examples": [

[

"car",

"kickscooter"

]

],

"additionalItems": true,

"items": {

"anyOf": [

{

"$id": "#/properties/Modality(Verkehrsmittel)/items/anyOf/0",

"type": "string",

"title": "The first anyOf schema",

"description": "An explanation about the purpose of this instance.",

"default": "",

"examples": [

"car",

"kickscooter"

]

}

],

"$id": "#/properties/Modality(Verkehrsmittel)/items"

}

},

"Systemarchitektur/Technologie(ggf. auch am Fahrzeug)": {

"$id": "#/properties/Systemarchitektur/Technologie(ggf. auch am Fahrzeug)",

"type": "string",

"title": "Systemarchitektur/Technologie(ggf. auch am Fahrzeug)",

"description": "Welche Komponenten sind nötig um das System zu betreiben.",

"default": "",

"examples": [

"what is needed to operate"

]

},

"Geschäftsmodell": {

"$id": "#/properties/Geschäftsmodell",

"type": "string",

"title": "Geschäftsmodell.",

"description": " Beteiligte, Einnahmen, Ausgaben",

"default": "",

"examples": [

"monetization scheme, intermediary"

]

}

}

}

# Example Graphhopper

{

"status": "preliminary",

"URI Endpoint": "https://graphhopper.com/api/1/route ",

"Method": "GET",

"Discovery Support": "",

“OpenApi JSON”: <https://docs.graphhopper.com/openapi.json>”,

"Schnittstellenbeschreibung": "@param key @param points [latitude,longitude ] @param vehicle (car, bike, foot, hike, mtb, racingbike, scooter, truck, small truck @return paths (array of objects) @return info",

“Beispiel”: „https://graphhopper.com/api/1/route?key=[YOUR\_KEY]&elevation=false&points=-0.087891,51.534377,-0.090637,51.467697&vehicle=car“

"Servicetyp": ["Routing", "Vehicle Sharing", "Ridesharing", "PT Booking/Reservation", "isochrones", "glueware"],

"Functionality": "Funktionalität",

"Modality(Verkehrsmittel)": ["car", "kickscooter", "public transport", "bicycle", "scooter", "walking"],

"Systemarchitektur/Technologie(ggf. auch am Fahrzeug)": "what is needed to operate",

"Geschäftsmodell (Beteiligte, Einnahmen, Ausgaben)": "monetization scheme, intermediary"

}