

1. OPĆE INFORMACIJE

Tvrtka Intenda Net d.o.o. provodi projekt „inITS“, sukladno projektnoj prijavi prijavljenoj na Poziv na dostavu projektnih prijava *“Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja”* (Referentna oznaka: KK.01.2.1.01), a odobrenoj za financiranje sukladno Ugovoru o dodjeli bespovratnih sredstava broj: KK.01.2.1.01.0055 kojeg provodi Hrvatska agencija za malo gospodarstvo, inovacije i investicije; HAMAG BICRO i Ministarstvo gospodarstva, poduzetništva i obrta.

Projekt je sufinanciran sredstvima iz Europskog fonda za regionalni razvoj temeljem Operativnog programa konkurentnost i kohezija 2014. – 2020.

Predmetni projekt „inITS“ uključuje industrijsko istraživanje i eksperimentalni razvoj inITS sustava unutar prioritetnog tematskog područja Promet i mobilnost, podtematsko prioritetno područje Ekološki prihvatljiva prometna rješenja, odnosno Inteligentni transportni sustavi i logistika. inITS sustav je buduće softversko rješenje za promet koje će promijeniti pristup i trend razvoja prometne znanosti i tehnologije transporta ljudi i roba.

Ukupna vrijednost projekta je 13.258.569,35 HRK, prihvatljivi troškovi iznose 12.634.149,03 HRK, a očekivana bespovratna potpora iznosi 7.485.289,00 HRK. Procijenjeno vrijeme trajanja provedbe projekta je 48 mjeseci.

2. OPIS POSLA

Predmet nabave: Nabava usluga programiranja

Evidencijski broj nabave: 09/2020

Grupa 1: Usluge programiranja za inITS BACKEND

Svaka niže opisana iteracija razvoja treba uključivati istraživanje i analizu rješenja, razvoj te testiranje.

2.1. UVOD

Ovaj dokument definira specifikaciju “MSRP Servis za korisničku aplikaciju” koju dobavljač treba razviti na tehnologijama: nodejs.

Servis se koristi u slučajevima:

- Korisnička aplikacija (backend) – servis za naloge
- Korisnička aplikacija (backend) – servis za kartično plaćanje
- Korisnička aplikacija (backend) – servis za poziciju entiteta (prometala)
- Korisnička aplikacija (backend) – servis za mijenjanje statusa naloga u realnom vremenu
- Korisnička aplikacija (backend) – servis za računanje kombinacija
- Korisnička aplikacija (backend) – servis za tarife

2.2. SLUČAJEVI

2.2.1 KORISNIČKA APLIKACIJA (BACKEND) – SERVIS ZA NALOGE

Servis mora moći prihvatiti zahtjev od korisničke aplikacije za novim nalogom te proslijediti ga servisu inITS-a za eksterne naloge. Pritom mora provjeriti zahtjeve organizacije poput polja koja su obavezna, a koja se definiraju u administraciji.

To su polja:

- destinacijska adresa
- minimalno vrijeme kupljenja
- tipovi prometala koji su dozvoljeni za korištenje u ovisnosti o adresama
- dozvoljene tarife
- tipovi plaćanja

Ukoliko zahtjev za nalogom zadovoljava uvjete minimalnih polja, isti se šalje na inITS servis „external trip booking“ s parametrima:

```
{
  "externalTripId": "12345",
  "tripData": {
    "pickupEvent": {
      "eventId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
      "eventLocation": {
        "locationName": "Mc Donalds",
        "streetName": "1th Street",
        "streetHouseNumber": "50",
        "streetHouseNumberAddition": "A",
        "postCode": "1234ZZ",
        "cityName": "Gotham City",
        "countryCode": "nl",
        "countryName": "Netherlands",
        "gps": {
          "lat": 47.7777,
          "lon": 15.1111
        }
      }
    },
    "note": "Next to McDonalds"
```

```

},
"pickupEventDateTime": "2020-03-24T09:11:30.558Z",
"viaEvents": [
  {
    "eventUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "eventLocation": {
      "locationName": "Mc Donalds",
      "streetName": "1th Street",
      "streetHouseNumber": "50",
      "streetHouseNumberAddition": "A",
      "postCode": "1234ZZ",
      "cityName": "Gotham City",
      "countryCode": "nl",
      "countryName": "Netherlands",
      "gps": {
        "lat": 47.7777,
        "lon": 15.1111
      }
    },
    "note": "Next to McDonalds"
  }
],
"dropoffEvent": {
  "eventUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "eventLocation": {
    "locationName": "Mc Donalds",
    "streetName": "1th Street",
    "streetHouseNumber": "50",
    "streetHouseNumberAddition": "A",
    "postCode": "1234ZZ",
    "cityName": "Gotham City",
    "countryCode": "nl",
    "countryName": "Netherlands",
    "gps": {
      "lat": 47.7777,
      "lon": 15.1111
    }
  }
}

```

```

    }
  },
  "note": "Next to McDonalds"
},
"dropoffEventDateTime": "2020-03-24T09:11:30.558Z",
"transportObjects": [
  {
    "transportObjectName": "PERSON",
    "quantity": 1
  }
],
"noteForDriver": "Woman in red dress :)",
"noteForDispatcher": "REF:93949348",
"vehicleTypes": [
  "CAR"
],
"vehicleCategoryTags": [
  "VCT1"
],
"tags": [
  "TAG1"
]
},
"customer": {
  "name": "John",
  "surname": "Doe",
  "phoneNumber": "+385981234567",
  "email": "john.doe@mail.com",
  "referenceNumber": "23123123",
  "customerNumber": "NL1234"
},
"passenger": {
  "name": "John",
  "surname": "Doe",
  "phoneNumber": "+385981234567",
  "email": "john.doe@mail.com",

```

```

    "referenceNumber": "23123123"
  },
  "tariff": {
    "tariffUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "amountCents": 5000,
    "paymentType": "CASH",
    "route": {
      "distanceInMeters": "1000",
      "timeInSeconds": "400",
      "polylineGeometry": "_p~iF~ps|U_ulLnnqC_mqNvxq`@"
    },
    "paymentExtras": [
      {
        "paymentExtraName": "WAYPOINT",
        "quantity": 1
      }
    ],
    "paymentDiscounts": [
      "PD1"
    ],
    "isFixPriceTariff": true,
    "currencyISOCode": 5000,
    "vat": 600,
    "description": "arbitrary text"
  },
  "tripAdditionalInfo": {
    "flightNumber": "KL678",
    "flightTime": "11:00",
    "flightDestination": "AMSTERDAM",
    "roomNumber": "112"
  },
  "returnForExternalTripId": "12345"
}

```

Ovo su odgovori inITS servisa External trip booking:

Code	Description
200	<p>trip created</p> <p>Example Value Model</p> <pre>{ "tripId": { "tripUId": "d290flee-6c54-4b01-90e6-d701748f0851", "tripDisplayCode": "180002345", "externalTripId": "12345" }, "responseCode": "OK" }</pre>
400	<p>invalid input, object invalid</p> <p>Example Value Model</p> <pre>{ "name": "string", "detail": "string" }</pre>
403	<p>not authenticated</p> <p>Example Value Model</p> <pre>{ "name": "string", "detail": "string" }</pre>
500	<p>internal error</p> <p>Example Value Model</p> <pre>{</pre>

Code**Description**

```
"name": "string",  
"detail": "string"  
}
```

2.2.2 KORISNIČKA APLIKACIJA (BACKEND) – SERVIS ZA KARTIČNO PLAĆANJE

Servis stvara novi profil i radi tokenizaciju.

Stvaranje profila:

create config request

- Example Value
- Model

```
{  
  "organizationUid": "cd9a285a-f8a7-4c4a-b296-e86d58636694",  
  "data": {  
    "displayName": "TEST1 Corvus",  
    "paymentGatewayType": "CORVUS",  
    "paymentGatewayCorvus": {  
      "test": true,  
      "timeout": 60000,  
      "storeId": 3011,  
      "key": "1NsuoUae123SmDXHn10Mj8o54wVxA8m8fQ",  
      "keystoreFilename": "/etc/config/ekotaxi_test_24052018.p12",  
      "keystorePassword": 1234  
    },  
    "paymentGatewayMSP": {  
      "test": true,  
      "timeout": 60000,  
      "accountId": 90142098,  
      "apiKey": "ceb52ed3475534654340ac46599a36d655ef7292"  
    },  
    "tokenizationConfig": {  
      "amount": 100,  
      "currencyISOCode": "EUR",  

```

```

    "redirectBaseUrl": "https://msrptest.intaxisolutions.com",
    "timeoutIntervalSeconds": 300,
    "localizedDescriptions": [
      {
        "languageISOCode": "en",
        "description": "inTaxi credit card registration for subsequent trip payment"
      }
    ],
    "redirectResponseHtml": "<html><body>Thank you!</body></html>",
    "redirectResponseRedirectUri": "customuri://"
  },
  "purchaseDeclinedConfig": {
    "retryStartAfterDays": 1,
    "retryNextDayExponent": 1.5,
    "retryDaysLimit": 60,
    "retryMaxNumberOfResends": 60,
    "retryReuseInitialTransactionId": 60
  },
  "purchaseConfig": {
    "minAmountForPurchase": 100,
    "localizedDescriptions": [
      {
        "languageISOCode": "en",
        "description": "inTaxi credit card registration for subsequent trip payment"
      }
    ]
  },
  "timeZoneId": "Europe/Amsterdam"
}

```

Tokenizacija:

Crequest

- **Example Value**
- Model


```
{
  "onlineCreditCardUid": "cd9a285a-f8a7-4c4a-b296-e86d58636694",
  "creditCardData": {
    "customer": {
      "customerUid": "cd9a285a-f8a7-4c4a-b296-e86d58636694",
      "customerIdentification": "92834jff0jwieor09jr",
      "languageISOCode": "nl"
    },
    "onlinePaymentConfigUid": "cd9a285a-f8a7-4c4a-b296-e86d58636694",
    "paymentType": "VISA"
  },
  "tokenizationData": {
    "maskedPan": 1111,
    "token": 4444,
    "validTill": "2020-03-24T09:35:14.643Z"
  }
}
```

Credit card tokenization start request

- **Example Value**
- **Model**

```
{
  "customerUid": "cd9a285a-f8a7-4c4a-b296-e86d58636694",
  "customerIdentification": "92834jff0jwieor09jr",
  "customer": {
    "name": "John",
    "surname": "Doe",
    "addressStreet": "Sheffieldstraat 21",
    "addressCity": "Rotterdam",
    "addressPostCode": "3047AN",
    "addressCountry": "Netherlands",
    "phone": 385663322114,
    "email": "john.doe@test.com"
  },
  "onlinePaymentConfigUid": "cd9a285a-f8a7-4c4a-b296-e86d58636694",
  "paymentType": "VISA",
  "languageISOCode": "en"
}
```

Transakcija:

transaction data

Example Value

Model

```
{
  "status": "IN_PROCESS",
  "purchaseStartData": {
    "amount": 2000,
    "currencyISOCODE": "EUR",
    "retryOnDecline": true,
    "differentOnlinePaymentConfigUid": "cd9a285a-f8a7-4c4a-b296-e86d58636694"
  },
  "purchaseResponseData": {
    "approvalCode": "AC394930",
    "referenceNumber": "REF11111"
  },
  "declineReason": "INSUFFICIENT_FUNDS",
  "declineReasonDescription": "description"
}
```

2.2.3 KORISNIČKA APLIKACIJA (BACKEND) – SERVIS ZA POZICIJU ENTITETA (PROMETALA)

Servis je proxy između inITS mikroservisa

[/fleet_vehiclelocations/{organizationUid}](#)

i korisničke aplikacije koja prikazuje slobodna prometala. Ovo je poziv:

[/fleet_vehiclelocations/{organizationUid}](#)

get per vehicle or get all by organization if vehicles not defined

- **Example Value**
- Model

```
{
  "vehicles": [
    "d290f1ee-6c54-4b01-90e6-d701748f0851"
  ],
  "shifts": [
```

```

    "d290f1ee-6c54-4b01-90e6-d701748f0851"
  ],
  "fleets": [
    "d290f1ee-6c54-4b01-90e6-d701748f0851"
  ],
  "alive": false
}

```

Ovo je odgovor servera:

vehicles location retrieved

- Example Value
- Model

```

{
  "vehicles": [
    {
      "organizationUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
      "vehicleUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
      "vehicle": {
        "vehicleUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
        "displayName": "VEHICLE1",
        "vehicleTags": [
          {
            "tagUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
            "displayName": "TAG1"
          }
        ],
        "vehicleType": {
          "vehicleTypeUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
          "displayName": "Bus",
          "baseIcon": "icon"
        },
        "fleetUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
        "vehicleSkillTags": [
          {
            "tagUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",

```

```

        "displayName": "TAG1",
        "validFromDate": "2017-05-03",
        "validToDate": "2017-05-03"
    }
]
},
"shift": {
    "shiftUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "driver": {
        "driverUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
        "name": "Name",
        "surname": "Surname",
        "ssn": "34234234234",
        "phoneNumber": "134234234",
        "driverSkills": [
            {
                "driverSkillUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
                "displayName": "SKILL1"
            }
        ],
        "driverTags": [
            {
                "tagUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
                "displayName": "TAG1"
            }
        ]
    },
    "devices": [
        {
            "deviceUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
            "deviceType": "DRIVER_APP"
        }
    ],
    "transportServices": [
        {
            "transportServiceUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",

```

```

        "displayName": "TS1"
    }
],
"fleet": {
    "fleetUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "displayName": "TS1"
},
"validTill": "2020-03-24T09:31:06.130Z",
"openedFrom": "2020-03-24T09:31:06.130Z"
},
"trips": [
    {
        "tripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851"
    }
],
"geofences": [
    {
        "vehicleDispatchGeofenceUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
        "position": 1,
        "addedDateTime": "2020-03-24T09:31:06.130Z"
    }
],
"breakInfo": {
    "breakStartDatetime": "2020-03-24T09:31:06.130Z"
},
"driverSuspensions": [
    {
        "suspensionUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
        "suspensionType": "AUTOMATIC_TRIP",
        "reasonType": "AUTOMATIC_TRIP_OFFERED_VIA_DISPATCH_DECLINED",
        "affectType": "REMOVE_FROM_VEHICLE_DISPATCH_GEOFENCING",
        "durationLeftMinutes": 1,
        "suspensionStartDatetime": "2020-03-24T09:31:06.130Z",
        "suspensionExpectedEndDatetime": "2020-03-24T09:31:06.130Z",
        "driverNote": "Driver note",
        "internalNote": "Internal note",
    }
]

```

```

    "trips": [
      {
        "tripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
        "tripDisplayCode": 1,
        "declineDatetime": "2020-03-24T09:31:06.130Z"
      }
    ],
    "active": true,
    "endDriverNote": "Driver suspension end note",
    "endInternalNote": "Internal suspension end note"
  }
],
"status": "UNDEFINED",
"location": {
  "latitude": 45.8123402,
  "longitude": 15.9633434,
  "bearing": 1,
  "velocity": 3,
  "gpsFix": "NO_FIX",
  "gpsAccuracy": 1,
  "timestamp": "2017-09-06T16:06:49.847Z"
}
},
],
"responseType": "ALL",
"tripDispatchModes": [
  {
    "transportServiceGroupUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "fleetUids": [
      "d290f1ee-6c54-4b01-90e6-d701748f0851"
    ],
    "tripDispatchModeUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "displayName": "Default dispatch mode",
    "description": "Default dispatch mode"
  }
]

```

```
}
```

Ovaj odgovor se šalje korisničkoj aplikaciji.

2.2.4 KORISNIČKA APLIKACIJA (BACKEND) – SERVIS ZA MIJENJANJE STATUSA NALOGA U REALNOM VREMENU

Servis implementira webhook koji mijenja status određenog naloga te isti prosljeđuje korisničkoj aplikaciji putem push mehanizma. Webhookovi:

[/trip_booking_webhook/canceled](#)

event information

Example Value

Model

```
{
  "tripId": {
    "tripUId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "tripDisplayCode": "180002345",
    "externalTripId": "12345"
  },
  "timestamp": "2020-03-24T09:19:13.625Z",
  "note": "My note",
  "cancelByType": "API",
  "paymentType": "CASH"
}
```

[/trip_booking_webhook/updated](#)

event information

- Example Value
- Model

```
{
  "tripId": {
    "tripUId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "tripDisplayCode": "180002345",
    "externalTripId": "12345"
  },
  "timestamp": "2020-03-24T09:20:11.365Z",
```

```

"tripData": {
  "pickupEvent": {
    "eventUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "eventLocation": {
      "locationName": "Mc Donalds",
      "streetName": "1th Street",
      "streetHouseNumber": "50",
      "streetHouseNumberAddition": "A",
      "postCode": "1234ZZ",
      "cityName": "Gotham City",
      "countryCode": "nl",
      "countryName": "Netherlands",
      "gps": {
        "lat": 47.7777,
        "lon": 15.1111
      }
    },
    "note": "Next to McDonalds"
  },
  "pickupEventDateTime": "2020-03-24T09:20:11.365Z",
  "viaEvents": [
    {
      "eventUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
      "eventLocation": {
        "locationName": "Mc Donalds",
        "streetName": "1th Street",
        "streetHouseNumber": "50",
        "streetHouseNumberAddition": "A",
        "postCode": "1234ZZ",
        "cityName": "Gotham City",
        "countryCode": "nl",
        "countryName": "Netherlands",
        "gps": {
          "lat": 47.7777,
          "lon": 15.1111
        }
      }
    }
  ]
}

```



```

    },
    "note": "Next to McDonalds"
  }
],
"dropoffEvent": {
  "eventId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "eventLocation": {
    "locationName": "Mc Donalds",
    "streetName": "1th Street",
    "streetHouseNumber": "50",
    "streetHouseNumberAddition": "A",
    "postCode": "1234ZZ",
    "cityName": "Gotham City",
    "countryCode": "nl",
    "countryName": "Netherlands",
    "gps": {
      "lat": 47.7777,
      "lon": 15.1111
    }
  },
  "note": "Next to McDonalds"
},
"dropoffEventDateTime": "2020-03-24T09:20:11.365Z",
"transportObjects": [
  {
    "transportObjectName": "PERSON",
    "quantity": 1
  }
],
"noteForDriver": "Woman in red dress :)",
"noteForDispatcher": "REF:93949348",
"vehicleTypes": [
  "CAR"
],
"vehicleCategoryTags": [
  "VCT1"
]

```

```

    ],
    "tags": [
        "TAG1"
    ]
},
"customer": {
    "name": "John",
    "surname": "Doe",
    "phoneNumber": "+385981234567",
    "email": "john.doe@mail.com",
    "referenceNumber": "23123123",
    "customerNumber": "NL1234"
},
"passenger": {
    "name": "John",
    "surname": "Doe",
    "phoneNumber": "+385981234567",
    "email": "john.doe@mail.com",
    "referenceNumber": "23123123"
},
"tariff": {
    "tariffUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "amountCents": 5000,
    "paymentType": "CASH",
    "route": {
        "distanceInMeters": "1000",
        "timeInSeconds": "400",
        "polylineGeometry": "_p~iF~ps|U_ulLnnqC_mqNvxq`@"
    },
    "paymentExtras": [
        {
            "paymentExtraName": "WAYPOINT",
            "quantity": 1
        }
    ],
    "paymentDiscounts": [

```

```

    "PD1"
  ],
  "isFixPriceTariff": true,
  "currencyISOCODE": "5000",
  "vat": "600",
  "description": "arbitrary text"
},
"updateByType": "API",
"tripAdditionalInfo": {
  "flightNumber": "KL678",
  "flightTime": "11:00",
  "flightDestination": "AMSTERDAM",
  "roomNumber": "112"
}
}

```

[/trip_booking_webhook/accepted](#)

event information

- **Example Value**
- **Model**

```

{
  "tripId": {
    "tripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "tripDisplayCode": "180002345",
    "externalTripId": "12345"
  },
  "timestamp": "2020-03-24T09:21:00.445Z",
  "vehicle": {
    "vehicleUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "displayName": "Vehicle 1",
    "licensePlate": "ZG-4760-FK",
    "fleetUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "model": "VW",
    "pictureUrl": "http://mysite.com/vehicle1.jpg"
  },
  "vehicleGps": {

```

```

    "lat": 47.7777,
    "lon": 15.1111,
    "bearing": 1.3
  },
  "driver": {
    "driverUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "name": "John",
    "surname": "John",
    "phoneNumber": "+385981234567",
    "ssn": "4238742938749",
    "pictureUrl": "http://site.com/driver1.jpg"
  }
}

```

[/trip_booking_webhook/started](#)

event information

- **Example Value**
- **Model**

```

{
  "tripId": {
    "tripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "tripDisplayCode": "180002345",
    "externalTripId": "12345"
  },
  "timestamp": "2020-03-24T09:21:41.743Z",
  "vehicle": {
    "vehicleUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "displayName": "Vehicle 1",
    "licensePlate": "ZG-4760-FK",
    "fleetUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "model": "VW",
    "pictureUrl": "http://mysite.com/vehicle1.jpg"
  },
  "vehicleGps": {
    "lat": 47.7777,
    "lon": 15.1111,
    "bearing": 1.3
  },
}

```

```

"driver": {
  "driverUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "name": "John",
  "surname": "John",
  "phoneNumber": "+385981234567",
  "ssn": "4238742938749",
  "pictureUrl": "http://site.com/driver1.jpg"
}
}

```

[/trip_booking_webhook/ended](#)

event information

- **Example Value**
- Model

```

{
  "tripId": {
    "tripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "tripDisplayCode": "180002345",
    "externalTripId": "12345"
  },
  "timestamp": "2020-03-24T09:22:11.388Z"
}

```

2.2.5 KORISNIČKA APLIKACIJA (BACKEND) – SERVIS ZA RAČUNANJE KOMBINACIJA

Servis radi kombinacije i vraća ih korisničkoj aplikaciji. Ovo je poziv za planiranje:

planning trip data used to create planning trip

- **Example Value**
- Model

```

{
  "tripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "productUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "data": {
    "events": [
      {
        "eventUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",

```

```

    "eventType": "PICKUP",
    "eventLocation": {
      "locationName": "Pivnica Medvegrad",
      "streetName": "Ilica",
      "streetHouseNumber": "50",
      "streetHouseNumberAddition": "A",
      "postCode": "10000",
      "cityName": "Zagreb",
      "countryCode": "hr",
      "countryName": "Hrvatska",
      "gps": {
        "lat": 47.7777,
        "lon": 15.1111
      },
      "note": "This is location message"
    },
    "eventTime": {
      "arrivalDatetime": "2017-05-03T08:30:47.360Z",
      "earlyArrivalDatetime": "2017-05-03T08:15:47.360Z",
      "lateArrivalDatetime": "2017-05-03T08:45:47.360Z"
    },
    "customer": {
      "customerUid": "d290flee-6c54-4b01-90e6-d701748f0851",
      "customerIdentificationCode": "bni34g"
    },
    "tripEventAdditionalInfo": {
      "contactPhoneNumber": "+385981234567",
      "contactEmail": "john.doe@company.com",
      "contactPerson": "John Doe",
      "referenceNumber": "12345"
    },
    "note": "This is event message"
  }
],
"tariff": {
  "tariffUid": "d290flee-6c54-4b01-90e6-d701748f0851",
  "pricePlanUid": "d290flee-6c54-4b01-90e6-d701748f0851",
  "customerFixAmountCents": 5000,
  "userProvidedCustomerFixAmountCents": 4500,
  "tariffPaymentType": "TRIP_TARIFF_PAYMENT_TYPE_CASH",
  "paymentExtras": [

```

```

    {
      "paymentExtraUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
      "quantity": 1,
      "amount": 1000,
      "unchangeable": true,
      "amountTotal": 1000
    }
  ],
  "paymentDiscounts": [
    {
      "paymentDiscountUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
      "amount": 1000,
      "percentage": 10,
      "unchangeable": true,
      "quantity": 1,
      "amountTotal": 1000
    }
  ]
},
"transportObjects": [
  {
    "transportObjectUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "quantity": 1
  }
],
"tags": [
  {
    "tagUid": "d290f1ee-6c54-4b01-90e6-d701748f0851"
  }
],
"tripAdditionalInfo": {
  "flightNumber": "OU481",
  "flightTime": "19:00",
  "flightDestination": "Amsterdam",
  "roomNumber": "512"
},
"note": "This is trip message",
"debtor": {
  "debtorUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "contactPhoneNumber": "+385914672930",
  "contactEmail": "john.doe@company.com",

```

```

    "contactPerson": "Jane Doe",
    "referenceNumber": "89152",
    "debtorOverrideInformation": {
      "companyName": "Corp d.o.o",
      "contact": "Jane Doe",
      "address": {
        "locationName": "Pivnica Medvegrad",
        "streetName": "Ilica",
        "streetHouseNumber": "50",
        "streetHouseNumberAddition": "A",
        "postCode": "10000",
        "cityName": "Zagreb",
        "countryCode": "hr",
        "countryName": "Hrvatska"
      },
      "phoneNumber": "+385123456798",
      "email": "jane.doe@example.com",
      "chamberOfCommerceNumber": "56583052",
      "invoiceSendType": "EMAIL",
      "invoiceAddress": {
        "locationName": "Pivnica Medvegrad",
        "streetName": "Ilica",
        "streetHouseNumber": "50",
        "streetHouseNumberAddition": "A",
        "postCode": "10000",
        "cityName": "Zagreb",
        "countryCode": "hr",
        "countryName": "Hrvatska"
      },
      "invoiceEmail": "jane.doe@example.com"
    },
    "principal": {
      "principalUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
      "contactPhoneNumber": "+385914672930",
      "contactEmail": "john.doe@company.com",
      "contactPerson": "Jane Doe",
      "referenceNumber": "89152"
    },
    "fixedTripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",

```



```

"routePolyline": "fXh7e0hjcGlad0BrSE1vQWlKdERjRHZBY0BFTVNTUVVFTT9RRE9ITVBPXGdA
ckFHSVHAZkBXrHZBWU55QGZAU1RXWk1UZUJuRH1CcEvvQWhDeUZqS3NCcERxQHpaZUBwQGlAaEFraEB3QH
xEZ0FyRlN6QE1wQVZkQmxAck9GfEFLakRJakFMakB2QHhDZkF6RXBBekZcdEFiQmhIcEFoR3JAeERWfkFQ
ckJMfENAbkJRdkRzQ2xmQGtAaEpVZkNTYEJRfkBjQHRCaUBoQnNBcERnQXhCbUJsQ2tBfkF5QG5AYURyRH
tdfkRtRWxHe0JkRHNAyEF3Qm5Dd0d+ShtHakl9TmZrFUhqSnNSZFV7RXhGY0BmQGdAVE9MbUJwQnVBdEFh
QFXTSmlAU19ASGNARHFBQUdBR0dVY0BfQHVASVl1QGVDeUR7TT9tQWRKX0s=",
"routeDistance": 6909,
"routeTime": 752,
"externalId": "100010",
"internalNote": "This message is not visible to driver",
"priceCalculatorResult": {
  "route": {
    "routeUid": "871a45c6-7b3d-4574-8a9b-a6ad7681dd1c",
    "routeDistance": 5000,
    "routeTime": 600
  },
  "customerTariff": {
    "tariffUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
    "data": {
      "name": "Airport tariff",
      "tariffType": "FIXED_PRICE",
      "productUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
      "displayName": "Airport tariff",
      "vat": 2550,
      "isHail": false,
      "paymentTypes": [
        "TRIP_TARIFF_PAYMENT_TYPE_CASH"
      ],
      "pickupPoiGeofenceUids": [
        "ea3f223b-3666-488a-ba04-57faa9aaa4de"
      ],
      "dropoffPoiGeofenceUids": [
        "ea3f223b-3666-488a-ba04-57faa9aaa4de"
      ],
      "validFromDatetime": "2017-01-01T00:00:00.000Z",
      "validToDatetime": "2018-01-01T00:00:00.000Z",
      "distanceRangeStart": 50000,
      "distanceRangeEnd": 100000,
      "pricePlanType": "REGULAR",
      "pricePlan": {
        "pricePlanUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",

```

```

"name": "Airport tariff 1-4 persons",
"displayname": "Airport tariff 1-4 persons",
"vehicleTypeUids": [
  "d290f1ee-6c54-4b01-90e6-d701748f0851"
],
"assignmentVehicleTypeUids": [
  "d290f1ee-6c54-4b01-90e6-d701748f0851"
],
"vehicleCategoryTagUids": [
  "d290f1ee-6c54-4b01-90e6-d701748f0851"
],
"pricePlanTimeframes": [
  {
    "onMonday": true,
    "onTuesday": true,
    "onWednesday": true,
    "onThursday": true,
    "onFriday": true,
    "onSaturday": true,
    "onSunday": true,
    "onHoliday": true,
    "timeframeStartTime": "07:30",
    "timeframeEndTime": "09:30"
  }
],
"regularPricePlan": {
  "startAmount": 285,
  "pricesPerKm": [
    {
      "distanceRangeStart": 50000,
      "distanceRangeEnd": 100000,
      "amount": 175
    }
  ],
  "drivePerHourAmount": 35,
  "minimumTotalAmount": 500
},
"fixedPricePricePlan": {
  "amount": 1000
},
"distanceBasedPricePlan": {

```

```

        "startAmount": 285,
        "distanceIncludedInStart": 1000,
        "waitPerHourAmount": 66,
        "pricePerKm": 155,
        "minimumTotalAmount": 500,
        "thresholdVelocityKmPerHour": 0,
        "denominationAmount": 50
    },
    "timeBasedPricePlan": {
        "startAmount": 285,
        "drivePerHourAmount": 35,
        "minutesIncludedInStart": 1000,
        "minimumTotalAmount": 500,
        "denominationAmount": 50
    },
    "totalPricePerKmRangePricePlan": {
        "pricesPerKm": [
            {
                "distanceRangeStart": 50000,
                "distanceRangeEnd": 100000,
                "amount": 175
            }
        ]
    },
    "isDebtorTariff": false,
    "forReservationType": "ALL"
},
"tariffFor": "CUSTOMER"
},
"customerAmounts": {
    "amountStart": 1000,
    "amountPerHourList": [
        {
            "timeRangeStart": 0,
            "timeRangeEnd": 30,
            "amountPerHour": 1000,
            "time": 30,
            "amountTotal": 1770
        }
    ]
}
],

```

```

"amountByTimeTotal": 1770,
"amountPerKmList": [
  {
    "distanceRangeStart": 0,
    "distanceRangeEnd": 2000,
    "amountPerKm": 100,
    "distance": 1000,
    "amountTotal": 100
  }
],
"amountByDistanceTotal": 100,
"amountBase": 1870,
"amountPaymentExtras": [
  {
    "paymentExtraUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
    "quantity": 2,
    "amount": 500,
    "amountTotal": 1000,
    "addedByPriceCalculator": false
  }
],
"amountPaymentExtrasTotal": 1000,
"amountPaymentDiscounts": [
  {
    "paymentDiscountUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
    "quantity": 2,
    "amount": 500,
    "amountTotal": 1000,
    "percentage": 1000,
    "percentageTotal": 2000,
    "addedByPriceCalculator": false
  }
],
"amountPaymentDiscountsTotal": 1000,
"percentagePaymentDiscountsTotal": 2000,
"amountTotal": 4870,
"amountMinimum": 2000
},
"customerContributionTariff": {
  "tariffUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
  "data": {

```

```
"name": "Airport tariff",
"tariffType": "FIXED_PRICE",
"productUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
"displayName": "Airport tariff",
"vat": 2550,
"isHail": false,
"paymentTypes": [
  "TRIP_TARIFF_PAYMENT_TYPE_CASH"
],
"pickupPoiGeofenceUids": [
  "ea3f223b-3666-488a-ba04-57faa9aaa4de"
],
"dropoffPoiGeofenceUids": [
  "ea3f223b-3666-488a-ba04-57faa9aaa4de"
],
"validFromDatetime": "2017-01-01T00:00:00.000Z",
"validToDatetime": "2018-01-01T00:00:00.000Z",
"distanceRangeStart": 50000,
"distanceRangeEnd": 100000,
"pricePlanType": "REGULAR",
"pricePlan": {
  "pricePlanUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "name": "Airport tariff 1-4 persons",
  "displayName": "Airport tariff 1-4 persons",
  "vehicleTypeUids": [
    "d290f1ee-6c54-4b01-90e6-d701748f0851"
  ],
  "assignmentVehicleTypeUids": [
    "d290f1ee-6c54-4b01-90e6-d701748f0851"
  ],
  "vehicleCategoryTagUids": [
    "d290f1ee-6c54-4b01-90e6-d701748f0851"
  ],
  "pricePlanTimeframes": [
    {
      "onMonday": true,
      "onTuesday": true,
      "onWednesday": true,
      "onThursday": true,
      "onFriday": true,
      "onSaturday": true,
```

```

        "onSunday": true,
        "onHoliday": true,
        "timeframeStartTime": "07:30",
        "timeframeEndTime": "09:30"
    }
],
"regularPricePlan": {
    "startAmount": 285,
    "pricesPerKm": [
        {
            "distanceRangeStart": 50000,
            "distanceRangeEnd": 100000,
            "amount": 175
        }
    ],
    "drivePerHourAmount": 35,
    "minimumTotalAmount": 500
},
"fixedPricePricePlan": {
    "amount": 1000
},
"distanceBasedPricePlan": {
    "startAmount": 285,
    "distanceIncludedInStart": 1000,
    "waitPerHourAmount": 66,
    "pricePerKm": 155,
    "minimumTotalAmount": 500,
    "thresholdVelocityKmPerHour": 0,
    "denominationAmount": 50
},
"timeBasedPricePlan": {
    "startAmount": 285,
    "drivePerHourAmount": 35,
    "minutesIncludedInStart": 1000,
    "minimumTotalAmount": 500,
    "denominationAmount": 50
},
"totalPricePerKmRangePricePlan": {
    "pricesPerKm": [
        {
            "distanceRangeStart": 50000,

```

```

        "distanceRangeEnd": 100000,
        "amount": 175
    }
]
},
    "isDebtorTariff": false,
    "forReservationType": "ALL"
},
    "tariffFor": "CUSTOMER"
},
"customerContributionPercentage": 10000,
"customerContributionAmounts": {
    "amountStart": 1000,
    "amountPerHourList": [
        {
            "timeRangeStart": 0,
            "timeRangeEnd": 30,
            "amountPerHour": 1000,
            "time": 30,
            "amountTotal": 1770
        }
    ],
    "amountByTimeTotal": 1770,
    "amountPerKmList": [
        {
            "distanceRangeStart": 0,
            "distanceRangeEnd": 2000,
            "amountPerKm": 100,
            "distance": 1000,
            "amountTotal": 100
        }
    ],
    "amountByDistanceTotal": 100,
    "amountBase": 1870,
    "amountPaymentExtras": [
        {
            "paymentExtraUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
            "quantity": 2,
            "amount": 500,
            "amountTotal": 1000,

```

```

        "addedByPriceCalculator": false
    }
],
"amountPaymentExtrasTotal": 1000,
"amountPaymentDiscounts": [
    {
        "paymentDiscountUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
        "quantity": 2,
        "amount": 500,
        "amountTotal": 1000,
        "percentage": 1000,
        "percentageTotal": 2000,
        "addedByPriceCalculator": false
    }
],
"amountPaymentDiscountsTotal": 1000,
"percentagePaymentDiscountsTotal": 2000,
"amountTotal": 4870,
"amountMinimum": 2000
}
},
"vehicleTypeUids": [
    "d290f1ee-6c54-4b01-90e6-d701748f0851"
],
"vehicleTypeGroupUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
"extraDispatchTimeSeconds": 0,
"customerTariff": {
    "tariffUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "pricePlanUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
    "customerPercentage": 3000,
    "customerFixAmountCents": 5000,
    "userProvidedCustomerFixAmountCents": 4500,
    "tariffPaymentType": "TRIP_TARIFF_PAYMENT_TYPE_CASH"
},
"zoneCount": 2
},
"refTripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
"returnFromTripUid": "d290f1ee-6c54-4b01-90e6-d701748f0851",
"isPrivateTrip": false,
"callUid": "d290f1ee-6c54-4b01-90e6-d701748f0851"
}

```


2.2.6 KORISNIČKA APLIKACIJA (BACKEND) – SERVIS ZA TARIFE

Servis dohvaća tarife od inITS mikroservisa `/tariffs/{tariffUid}` te ih vraća korisničkoj aplikaciji.

Ovo je poziv:

tariff retrieved

- Example Value
- Model

```
{
  "tariffUid": "871a45c6-7b3d-4574-8a9b-a6ad7681dd1c",
  "organizationUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
  "tariffFor": "CUSTOMER",
  "data": {
    "name": "Airport tariff",
    "tariffType": "FIXED_PRICE",
    "productUids": [
      "ea3f223b-3666-488a-ba04-57faa9aaa4de"
    ],
    "displayName": "Airport tariff",
    "vat": 2550,
    "isHail": false,
    "paymentTypes": [
      "TRIP_TARIFF_PAYMENT_TYPE_CASH"
    ],
    "pickupPoiGeofenceUids": [
      "ea3f223b-3666-488a-ba04-57faa9aaa4de"
    ],
    "dropoffPoiGeofenceUids": [
      "ea3f223b-3666-488a-ba04-57faa9aaa4de"
    ],
    "validFromDatetime": "2017-01-01T00:00:00.000Z",
    "validToDatetime": "2018-01-01T00:00:00.000Z",
    "distanceRangeStart": 50000,
    "distanceRangeEnd": 100000,
  }
}
```

```

"forReservationType": "ALL",
"pricePlanType": "REGULAR",
"pricePlans": [
  {
    "pricePlanUid": "871a45c6-7b3d-4574-8a9b-a6ad7681dd1c",
    "name": "Airport tariff 1-4 persons",
    "displayName": "Airport tariff 1-4 persons",
    "vehicleTypeUids": [
      "871a45c6-7b3d-4574-8a9b-a6ad7681dd1c"
    ],
    "assignmentVehicleTypeUids": [
      "871a45c6-7b3d-4574-8a9b-a6ad7681dd1c"
    ],
    "vehicleCategoryTagUids": [
      "871a45c6-7b3d-4574-8a9b-a6ad7681dd1c"
    ],
    "pricePlanTimeframes": [
      {
        "onMonday": true,
        "onTuesday": true,
        "onWednesday": true,
        "onThursday": true,
        "onFriday": true,
        "onSaturday": true,
        "onSunday": true,
        "onHoliday": true,
        "timeframeStartTime": "07:30",
        "timeframeEndTime": "09:30",
        "timeframeStartTimeWithOffset": "22:00+01:00",
        "timeframeEndTimeWithOffset": "02:00+01:00"
      }
    ],
    "regularPricePlan": {
      "startAmount": 285,
      "pricesPerKm": [
        {

```

```

        "distanceRangeStart": 50000,
        "distanceRangeEnd": 100000,
        "amount": 175
    }
],
    "drivePerHourAmount": 35,
    "minimumTotalAmount": 500,
    "minimumPriceRangePercentage": 10,
    "maximumPriceRangePercentage": 12.5
},
    "fixedPricePricePlan": {
        "amount": 1000
    },
    "distanceBasedPricePlan": {
        "startAmount": 285,
        "distanceIncludedInStart": 1000,
        "waitPerHourAmount": 66,
        "pricePerKm": 155,
        "minimumTotalAmount": 500,
        "thresholdVelocityKmPerHour": 0,
        "denominationAmount": 50,
        "maxPriceType": "NO_MAX_PRICE",
        "maxPriceToleranceFactor": 1.2,
        "timeCalculateType": "BASED_ON_VELOCITY",
        "minimumPriceRangePercentage": 10,
        "maximumPriceRangePercentage": 12.5
    },
    "timeBasedPricePlan": {
        "startAmount": 285,
        "drivePerHourAmount": 35,
        "minutesIncludedInStart": 1000,
        "minimumTotalAmount": 500,
        "denominationAmount": 50,
        "minimumPriceRangePercentage": 10,
        "maximumPriceRangePercentage": 12.5
    },

```

```

    "totalPricePerKmRangePricePlan": {
      "pricesPerKm": [
        {
          "distanceRangeStart": 50000,
          "distanceRangeEnd": 100000,
          "amount": 175
        }
      ],
      "minimumPriceRangePercentage": 10,
      "maximumPriceRangePercentage": 12.5
    },
    "zoneBasedPricePlan": {
      "amountPerZone": 175
    },
    "note": "Price plan description",
    "description": "arbitrary text"
  }
],
"isDebtorTariff": false,
"note": "Tariff description",
"minTimeBeforePickupForReservationFlagSeconds": 300,
"userApis": [
  {
    "userApiUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de",
    "productUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de"
  }
],
"isUserApiTariff": false,
"currencyCode": "EUR",
"currencySymbol": "€",
"description": "arbitrary text",
"partnerCentralServiceUid": "ea3f223b-3666-488a-ba04-57faa9aaa4de"
},
"status": "CREATED"
}

```

3. PONUDA

Ponuditelj potvrđuje da nudi traženo u točki 2. OPIS POSLA Priloga IV – Opis posla za Grupi 1 dostavljanjem potpisanog i ovjerenog Priloga IV – Opis posla za Grupi 1.

ZA PONUDITELJA:

U _____, dana _____

MP _____
(ime i prezime, funkcija i potpis ovlaštene osobe)