“Enhanced Galileo Green Lane”

New procurement for Design and Implementation

Alberto Fernández Wyttenbach

10th May 2021
Galileo Green Lane solution

- Border traffic optimization solution to support the freight transport community in the 1st wave of the COVID pandemic
- Monitor the implementation of EU Green Lanes communication
- Real-time visualization crossing time in border points

- 2 App interfaces: authorities and drivers
- Visualization & reporting platform: data aggregated from the App and truck telematics
- Pilots/tests made in several Member States
- Solution is operational, hosted at GSA servers
Example: real time monitoring (UK-FR border, Dec. 2020)

Source: http://galileogreenlane.eu/large_map.php
**Example: daily reports (ES-FR borders, May 2020)**

**Figure 1: Average waiting time during one week**

- Fos - Les (FR → ES)
- Bourg-Madame - Puigcercós (FR → ES)
- Hendaye - Behobia (FR → ES)
- Canfranc - Sarrance (FR → ES)
- Le Perthus - La Jonquera (FR → ES)

The average times shown are in respect to the selected date range. For border crossings (or directions) for which there is not enough data, bars are not shown.

**Figure 2: Daily average waiting time and trend**

- Bourg-Madame - Puigcercós (FR → ES): Stable
- Canfranc - Sarrance (FR → ES): Worsening
- Fos - Les (FR → ES): Stable
- Hendaye - Behobia (FR → ES): Stable
- Le Perthus - La Jonquera (FR → ES): Improving

The trend is calculated based on the average waiting time, compared between the first and second half of the selected time range. The situation is considered stable if those two averages are within 10 minutes of each other.
Due to the persistence of the COVID-19 pandemic in Europe, the previous Galileo Green Lane tools has to be enhanced as per the new EC Communication COM(2020) 685 final.

- **Deadline for submission of tenders**: 17/05/2021 - 17.00 CET
- **Signature of contract**: July 2021

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**Estimated total value**: 500,000 €

**Duration**: 6 months for the baseline activities + 6 months for the optional activities
Task 1 – Technical solution aiming to monitor traffic of freight transport

- The solution shall monitoring the traffic and estimated waiting time in:
  - **Road, rail and maritime** internal border crossings from EU (TEN-T map) and non-Schengen border crossings, with particular interest to strategic corridors (e.g. UK, EFTA, Western Balkans, EU candidate countries)
  - **Additional points of interest:** national logistics hubs, airports, resting/service areas, fuel stations, parkings, etc. including individual features of the facilities

- **Mobile (Android/iOS) and/or telematic and/or online solution**

- **Mandatory functionalities:**
  - Anonymized traffic information datasets from public/private entities
  - Automatic generation of (hourly) reports, graphs and statistics
  - Algorithms to anticipate peaks/ adapt to changing traffic patterns
  - API facilitating access, analysis and distribution of data
  - Routing alternatives for dispatchers and/or drivers
  - Unidirectional communication tool to drivers
Task 2 – Pilot testing with potential users

- Testing campaign prior to the implementation of the designed solution
- **Engage national authorities**, freight carriers and/or automotive clubs and any other entity as requested by the GSA
- Tests shall monitoring the traffic and estimated waiting time in:
  - Road, rail and maritime crossings/logistic hubs (min. 2 European countries)
  - Points of interest: minimum 1 queuing time test in parking or service areas

Task 3 – Operational maintenance of the solution

- Minimum requirements of the **Service Level Agreement (SLA):**
  - 24/7 availability: target: 99.5%
  - Data updates: **once an hour** (at least)
  - Response time: no more than 1 working day

... Task 4 – System handover
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