



All TPEG information at a glance

As new extension of bmt's TPEG ecosystem the TPEG Viewer allows the quick visualisation of TPEG messages even without deep knowledge of the TISA standards. Whether for traffic editors, mobility service providers or device manufacturers, the TPEG Viewer decodes messages in form of real-time IP data streams or uploaded data files and displays them in an appealing web interface. Compared to bmt's TPEG Analyzer, which provides in-depth debugging, versioning and analysing of the complete message history, the TPEG Viewer allows all live messages to be displayed quickly and attractively. TPEG Viewer supports both a map and a table view, and both views fully support textual search and filtering. Easy-to-understand icons, plain text messages and various digital maps and georeferencing models ensure the flexible use of this visualisation tool.

The TPEG Viewer is hosted and operated in the bmt cloud. The tool does not need to be installed or updated locally. Instead, it is operated by the user via a web browser

Core element of the TPEG Viewer is bmt's TPEG DecoderLibrary, which decodes TPEG binary streams and TPEGml data. The library ensures that the decoding is compliant with the specifications issued by TISA and all applications are available in the current version.

Use Cases

- Visualisation tool for traffic information centers and mobility service providers
- Decoder surface for software and device manufacturer
- Visualisation extension of bmt's TPEG ON AIR payout system

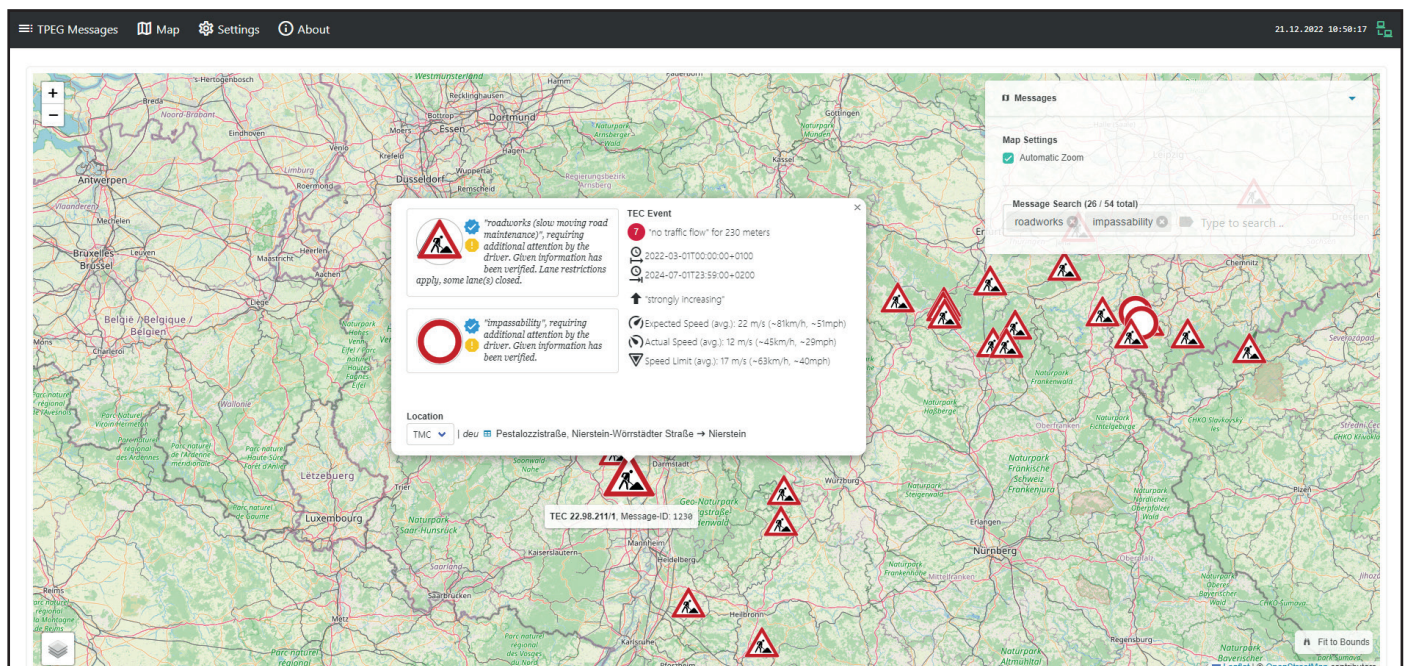


Fig. User interface of the TPEG Viewer with TPEG TEC information

TPEG VIEWER

we can TPEG

Features

- ▶ Decoding and visualisation of the following applications:
 - Traffic Event Compact (TEC)
 - Traffic Flow and Prediction (TFP)
 - Emergency Alerts and Warnings (EAW)
 - Parking Information (PKI)
- ▶ Location referencing:
 - TMC
 - GLR
 - OLR
- ▶ Digital maps:
 - Open Street Map
 - HERE
 - TomTom
- ▶ Real-time IP stream data and file upload
- ▶ Data interface for IRT's DAB Scout
- ▶ TPEG binary and TPEGml data
- ▶ Cloud-Service

Requirements

- ▶ Internet browser: Firefox, Chrome or Edge

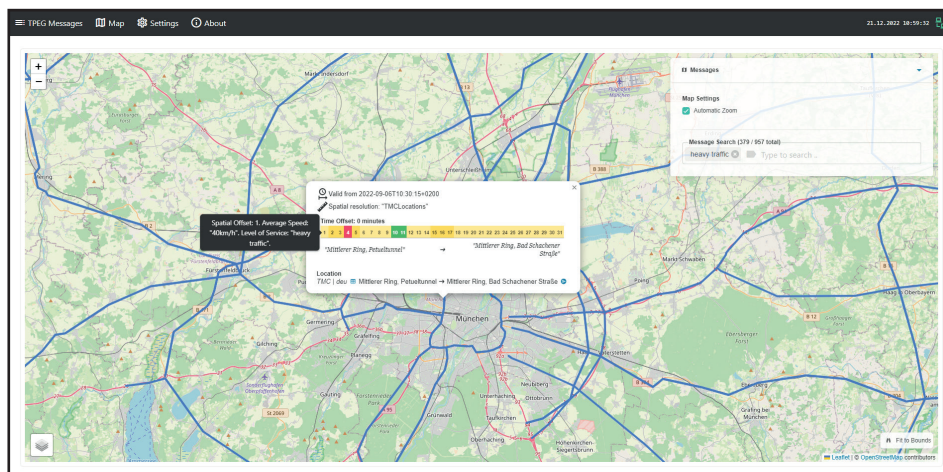


Fig. Map view of Traffic Flow and Prediction (TFP)

Message ID	Version ID	Priority	Last content update	Application Summary
2580	5	default	-	TFP Flow Matrix / 2022-09-06T10:30:15+0200 / no prediction / 1 vector→T[0]: #actions=12
284	42	default	-	TFP Flow Matrix / 2022-09-06T10:30:15+0200 / no prediction / 1 vector→T[0]: #actions=31
601	2	default	-	TFP Flow Matrix / 2022-09-06T10:30:15+0200 / no prediction / 1 vector→T[0]: TMC deu Regensburger Straße, Schanzbrücke → Rosenhof #actions=12
1046	7	default	-	TFP Flow Matrix / 2022-09-06T10:30:14+0200 / no prediction / 1 vector→T[0]: TMC deu Neu-Ulm → Flughafen Friedrichshafen (Bodensee-Airport) #actions=30
558	253	default	-	TFP Flow Matrix / 2022-09-06T10:29:16+0200 / no prediction / 1 vector→T[0]: TMC deu Künzelsau-Belsenberg → Werneck #actions=27
2048	197	default	-	TFP Flow Matrix / 2022-09-06T10:30:15+0200 / no prediction / 1 vector→T[0]: TMC deu B 305 bei Unterau → Berchtesgaden #actions=2
1245	102	default	-	TFP Flow Matrix / 2022-09-06T10:29:16+0200 / no prediction / 1 vector→T[0]: TMC deu Otto Brunner Straße, Schmidbauerstraße → Halling #actions=3
748	224	default	-	TFP Flow Matrix / 2022-09-06T10:30:14+0200 / no prediction / 1 vector→T[0]: TMC deu Kitzingen/Oberrach → Bamberg-Süd #actions=10

Fig. List view of Traffic Flow and Prediction (TFP)