GIP.gv.at - the tool for up-to-date traffic data in the Graph Integration Platform (GIP)
The ongoing adjustment and improvement of transport infrastructure always needs to take into account pertinent laws and is usually associated with changes to traffic management and organisation. Traffic signs and floor markings therefore need to be reviewed on an ongoing basis and, if need be, redefined. The municipal departments and district administrations have all the information on free flowing traffic, the authorities in the federal provinces and municipalities have all the information on public and stationary traffic. Many different digital databases have been in operation until now. These could not be synced and created an additional administrative burden.

Thanks to the GIP .gv.at project, it is now possible to compile traffic-related data created by means of eGovernment processes to comply with legal requirements and make it directly available in digital format. These eGovernment processes and the requisite interfaces and standards have been defined and developed jointly by the project partners. The Graph Integration Platform (GIP) is the reference system for all eGovernment processes and has thus improved the basic input for the authorities, i.e. with respect to mileage, street names or responsibilities.

The benefits are clear as black and white: daily updates on all traffic-related action; quick information; fewer on-site inspections and negotiations and therefore accelerated processes with all administrative authorities; quality enhancements thanks to easily recognisable content-related inconsistencies; advantages for emergency services and disaster relief due to simplified accident report procedures as well as data forwarding and data provisioning.

GIP .gv.at - eGovernment processes on the basis of the GIP
The action assistant and crossing assistant - two new tools

With the help of eGovernment processes and tools, including the action and crossing assistants, an overview of all the traffic-related actions is continuously available without extra effort. Every local authority continues to be responsible for its own portfolio, hence both assistants have been integrated in the Federal Government’s portal interconnection system. The assistants can be activated using SKAT software, but also with any other web interfaces and in all other programmes. Since their development was funded by the federal provinces, both the action assistant and the crossing assistant are available to cities and municipal departments for license-free use.

The action assistant is a practical tool that promptly visualises, plans and checks the impact of actions implemented in accordance with the Austrian Road Traffic Regulations (StVO). The road network can be entered into the assistant along with ortho-photographs and cadastral maps. Once the person in charge has entered the actions to be implemented and their validity, he or she immediately receives feedback with proposals on how to make this information public and the corresponding passage from the regulation. The quote from the regulation can be added directly to the document for processing by the authority. At the same time, the action assistant records information relating to the impact of the actions in the system. This information is automatically checked to determine any inconsistencies with other activities. Once implementation of the actions has been notified, the person in charge is expected to tag the action with “valid”. This updated information is available to all information systems on a daily basis. The action assistant also serves as basis for a host of further eGovernment developments in the administration. These include a construction site management system and a system for the management of licenses in public transport (Act on Passenger Transport Services or KfG).

The crossing assistant is a special tool to be used by road operators for lane-specific operation of crossings. With this tool, authorities get to implement actions for each individual lane.
GIP.gv.at: In GIP.gv.at, eGovernment processes are developed on the basis of the Graph Integration Platform (GIP). These electronic processes support administrative processes that are required to comply with regulations and for road approvals. The databases can be reliably kept up to date without extra effort using the crossing and action assistants, which have been developed precisely for this purpose. They help to keep a complete, up-to-date and locational set of records for all the legal measures taken in the road network in accordance with the Road Traffic Regulation (StVO). The developed eGovernment processes (editing tools and interfaces) are available free of charge to cities and municipalities as well as other regional authorities.

Partners: GIP.gv.at is a joint project of the Austrian federal states, ASFINAG, the Austrian Federal Ministry of Transport, Innovation and Technology and ITS Vienna Region. The Austrian Association of Cities and Towns is an associated partner.

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