

Austrian HGV Tolling System

EETS Back Office Interface Specification

For information only

(Subject to change without notice)

Document Number	Version	Status	Security	Date
[EP_IF]	V1.3	released	public	18.12.2017

History

Version	Date	Modification	Established	Approved
V0.11	13.09.2011	Initial version	HHA	
V0.2	13.05.2014	Revision	MHS	
V0.3	20.05.2014	Revision	MHS	
V1.0	10.06.2014		MHS	
V1.1	27.08.2015	Document EasyGo-208 added	FHV	
V1.2	13.06.2017	Doc. name changed from "EETS Provider Interface Specification" to "EETS Back Office Interface Specification" editorial updates, direct DSRC key exchange	HHA	FHV
V1.3	18.12.2017	Release version	HHA	FHV

Table of Contents

1	PURPOSE AND SCOPE	6
2	EETS PROVIDER BACK OFFICE INTERFACE REQUIREMENTS	7
3	ANNEX A - REFERENCES	9

Abbreviations and Glossary

Abbreviation, Term	Description
Basic EasyGo service	The basic EasyGo service is a service of the Scandinavian EasyGo consortium consisting of Toll Chargers and Toll Service Providers from Denmark, Sweden and Norway. This service is offered to all vehicles (passenger cars and heavy goods vehicles) and covers toll payment by one OBE, one contract and one invoice. This service is not offered in Austria.
EasyGo+ service	The EasyGo+ service in EasyGo is for heavy goods vehicles > 3,5t using an OBE with a DSRC EFC interface conformant to EN 15509 and is offered in the Scandinavian countries + Austria.
EETS	European Electronic Toll Service
EN	European standards
EP	EETS Provider
ISO	International Organization for Standardization
OBE	On-Board Equipment
TC	Toll Charger
TSP	Toll Service Provider

References

All references used in this document are listed in Annex A - References. Amendments or revisions of dated references or publications apply only when incorporated in it by amendment or revision. The latest edition of a referenced publication applies only if it used undated.

1 Purpose and scope

This document specifies the EETS back office interface between ASFINAG as a Toll Charger (TC) and an EETS Provider (EP).

ASFINAG uses the EasyGo HUB as backoffice interface for data exchange with EP.

This implies that any EETS Provider who intends to cooperate with ASFINAG as a TC for the Austrian EETS domain is required to connect his central system to the EasyGo HUB, this will lead to all EasyGo specifications according to chapter 2 are applying for an EP interfacing ASFINAG.

2 EETS Provider back office interface requirements

The requirements for the back office interface specification are valid for any EETS Provider connecting its central system via the back office interface to the central system of ASFINAG in the context of EETS, if not otherwise defined in this document.

The following EasyGo documents define the back office interface:

[EasyGo-201] Requirements for central systems and EasyGo HUB

This document is describing the functionality and procedures of the back office data exchange interface.

[EasyGo-203] Technical requirements Data format and interface specifications

This document is specifying the data syntax and semantics of the back office data exchange interface. It describes a proprietary interface for a back office data exchange which currently is not conformant to EN ISO 12855.

[EasyGo-205] DSRC Key management

For security reasons, the EasyGo HUB is not anymore involved in the DSRC Key exchange procedure. The document [EasyGo-205] is defining the procedures to be used for the direct exchange of security keys between ASFINAG as Toll Charger and an EETS Provider.

[EasyGo-206] EasyGo test strategy

This document is defining the procedures to be followed when an EETS Provider is testing the EETS interoperability constituents with ASFINAG.

[EasyGo-207] Interface test specification central system

This document is describing the detailed test procedures to be performed when testing the back office interface from the central system of the EETS Provider to the EasyGo HUB and then further to the central system of ASFINAG as Toll Charger.

[EasyGo-208] Requirements for VPN access to the EasyGo HUB

This document is describing how to setup the physical data connection between EETS Providers, ASFINAG as Toll Charger and the EasyGo HUB.

The latest version of these documents can be found on the EasyGo homepage under <http://easygo.com/en/about-easygo/documents>. Be advised, that this is a version for information only. It may change without any further notice.

Although these documents are defined in EasyGo, they are valid for the EETS back office interface to the Austrian toll domain as well.

All definitions for the EasyGo+ service in the documents apply to the back office interface for an EETS Provider. The definitions for the basic EasyGo service are not relevant for the EETS back office interface to the Austrian toll domain, as ASFINAG is only part of the EasyGo+ service and not of the basic EasyGo service, which is offered to all vehicles in Scandinavia only

In order to connect an EETS Provider to ASFINAG as a Toll Charger, the following definitions in respect to the terms in the EasyGo documents do apply:

EasyGo expression/ role	EETS expression/ role	Comment
Toll Charger (TC)	ASFINAG as Toll Charger	
Toll Service Provider (TSP)	EETS Provider	
Service User (SU)	EETS User	
EasyGo HUB	Central data processing hub, collecting and forwarding data between TCs and TSPs	When implementing an EETS back office interface between ASFINAG and an EETS Provider, the EETS Provider shall connect to the EasyGo HUB, which will be the central point of connection to the Austrian toll domain operated by ASFINAG. Any data transferred via the back office interface to and from ASFINAG as Toll Charger will be routed

		through the EasyGo HUB (with the exception of DSRC key exchange).
--	--	---

3 Annex A - References

Reference	Document Ref	Date / Version	Document title
[EasyGo-201]			Requirements for EasyGo central systems and collection and forwarding centrals
[EasyGo-203]			Technical requirements Data format and interface specifications
[EasyGo-205]			Key distribution
[EasyGo-206]			EasyGo test strategy
[EasyGo-207]			Interface test specification central system
[EasyGo-208]			Requirements for VPN access to the EasyGo HUB