



AP-3.4

Toll Station Table

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DOKUMENT STATUS

Document no.	AP-3.4 Toll Station Table
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Status	Version	Description
Final	1.0	First version in new document series

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Version	Date	Author	Main changes
1.0	27. June 2023	NPRA	New document/version adapted for AutoPASS.

Table of Contents

1.	TOLL STATION TABLE FILE (TST)	4
1.1	Description.....	4
1.2	Format Toll Station Table file (Version 500001)	5

1. TOLL STATION TABLE FILE (TST)

1.1 Description

This file is produced by AutoPASS IP, based on information from Toll Stations according to the general rules of coding. The term Toll Station is also used for other installations like for collecting ferry charges. This file is part of the data set “toll context data”.

The TST file sent from AutoPASS IP is based on information provided by each TC. The ActorID of the sender is 000002 and the ActorID of the receiver is 999999.

Format of filename TSTxxxxxxYYYYMMDDSS_zzzzzz_vvvvvv (33 characters)

Format of list name: TSTxxxxxxYYYYMMDDSS (19 characters)

xxxxxx = ActorID of the sender of the Toll Station Table file (6 characters).

YYYY= Year (4 characters)

MM = Month (2 characters)

DD = Date (2 characters)

SS = Sequence within the day (sequential number of 2 characters increased separately for each file per each sender/receiver combination per day beginning with 01)

zzzzzz = ActorID of the receiver of the Toll Station Table file (6 characters).

filename.

vvvvvv = Version name

1.2 Format Toll Station Table file (Version 500001)

Name	Number of Char.	Type of value	Begin	End	Definition	Origin	Adjusted	Mandatory/Optional	Value if Nothing	Padding
Header										
Register Identifier	1	Numeric	1	1	"0"=Header.	Generation	Right	Mandatory	n/a	
Sender Identifier	6	AlphaN	2	7	6 digits identifier of the Entity having created this file. Either TC or EGH.	Generation	Left	Mandatory	n/a	
Receiver Identifier	6	AlphaN	8	13	6 digits identifier of the Entity (or Entities) having received this file.	Generation	Left	Mandatory	n/a	
List Sequence	19	AlphaN	14	32	TSTxxxxxYYYYMMDDSS.	Generation	Left	Mandatory	n/a	
Previous List Sequence	19	AlphaN	33	51	TSTxxxxxYYYYMMDDSS (TST000000000000 in first list).	Generation	Left	Mandatory	n/a	
Moment of activation	14	Numeric	52	65	YYYYMMDDHHmmss UTC (Filled with zero if no value, activation immediately after processing) If the "Moment of activation" is filled with a moment in the future and a newer version of the TST is delivered, with a processing date prior to this date (or for immediate processing), the older file will be discarded without processing it.	Generation	Right	Optional	Zeros	
Number of records	15	Numeric	66	80	Number of records (lines) in Body.	Generation	Right	Mandatory	n/a	Zeros
Moment of creation	14	Numeric	81	94	YYYYMMDDHHmmss UTC.	Generation	Right	Mandatory	n/a	
List format version	6	AlphaN	95	100	The value to be filled in is defined above. This will allow actors for individual time schedules for updating of systems.	Generation	Left	Mandatory	n/a	
Filler	27	AlphaN	101	127	Reserved for future use, filled with Zeros.	Generation	Left	Mandatory	n/a	
End of header	1	AlphaN	128	128	End of line.	Generation	Left	Mandatory	n/a	
Body										
Register Identifier	1	Numeric	1	1	"1"=Body.	Generation	Right	Mandatory	n/a	
Country code	2	AlphaN	2	3	ISO 3166-1-Alpha-2 code elements. NO = Norway.	IP Config	Left	Mandatory	n/a	
ActorID*	6	AlphaN	4	9	6 digits identifier of the TC. Unique ID identifier in AutoPASS for the actor responsible for the following data.	IP Config	Left	Mandatory	n/a	
TC Name	25	AlphaN	10	34	Name of the Toll Charger.	IP Config	Left	Mandatory	n/a	Blanks
Network Code	2	Numeric	35	36	2 digits identifier of the Project. May be used by each Regional Toll Charger (RBPS) for better identification of their projects.	IP Config	Right	Optional	Zeros	
Network Name	20	AlphaN	37	56	Name of the project.	IP Config	Left	Mandatory	n/a	Blanks
Road number	4	AlphaN	57	60	Free text.	IP Config	Left	Optional	Blanks	Blanks
Station Code*	4	Numeric	61	64	4 digits identifier of the Station. This is unique for each ActorID.	IP Config	Right	Mandatory	n/a	Zeros
Station Name short **	25	AlphaN	65	89	Short name of the Station, Information after a comma identifies a sub-project.	IP Config	Left	Mandatory	n/a	Blanks
Station direction Code	2	AlphaN	90	91	Not in use in AutoPASS.	IP Config	Left	Optional	Blanks	Blanks
Station direction Description	25	AlphaN	92	116	Free text, e.g. "From city centre".	IP Config	Left	Optional	Blanks	Blanks
Lane identification*	4	Numeric	117	120	Identification of the lane to be used in the TIF list. I.e. lane number.	IP Config	Right	Mandatory	n/a	Zeros
Type of Station	2	Numeric	121	122	Code which identifies the type of toll station: "01" Open (Not to be used for new stations) "05" Open Road Tolling – OBE or Video based, fully automatic.	IP Config	Right	Mandatory	n/a	Zeros

AP-3.4 Toll Station Table v1.0

Name	Number of Char.	Type of value	Begin	End	Definition	Origin	Adjusted	Mandatory/Optional	Value if Nothing	Padding
Station name long **	60	AlphaN	123	182	If the Station name is longer than 25 char this field shall be used to include the full description in addition to the short description. If the Station name is 25 characters or shorter, the Station Name short shall be repeated here. Information after a comma identifies a sub-project.	IP Config	Left	Mandatory	n/a	Blanks
Position Longitude	10	AlphaN	183	192	EU89 coordinate of Toll station lane longitude in decimal degrees. Comma (",") is to be used for decimal point.	IP Config	Left	Mandatory	n/a	Blanks
Position Latitude	10	AlphaN	193	202	EU89 coordinate of Toll station lane latitude in decimal degrees. Comma (",") is to be used for decimal point.	IP Config	Left	Mandatory	n/a	Blanks
Roadside supplier	2	Numeric	203	204	11=Q-free 1-portal, 12=Teccidel 1-portal, 13=Kapsch 1-portal, 14=Efkon 1-portal 31=Q-free 3-portal, 32=Teccidel 3-portal, 33=Kapsch 3-portal, 34=Efkon 3-portal	IP Config	Right	Mandatory	n/a	
NVDB ID	10	Numeric	205	214	Unique ID in NVDB (Called "Objektid" or "VegobjektID" in NVDB).	IP Config	Right	Mandatory	n/a	Zeros
Filler	18	AlphaN	215	232	Reserved for future use, filled with Zeros.	Generation	Left	Mandatory	n/a	Zeros
End of Record	1	AlphaN	233	233	End of line.	Generation	Left	Mandatory	n/a	
Footer										
Register Identifier	1	Numeric	1	1	"2"=Footer.	Generation	Right	Mandatory	n/a	
Filler	62	AlphaN	2	63	Reserved for future use, filled with Zeros.	Generation	Left	Mandatory	n/a	Zeros
End of Footer	1	AlphaN	64	64	End of line.	Generation	Left	Mandatory	n/a	

* The combination of ActorID, Station code and Lane identification must be unique.

** Both fields are to be filled. The short name shall be useful as a description on an invoice if to be stated.