



## **AP-3.5**

### **Accepted Issuer Table – AIT**

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## DOCUMENT STATUS

<b>Document No.</b>	<b>AP-3.5 Accepted Issuer Table – AIT</b>
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## REVISION HISTORY

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Main Changes</b>
1.0	4 July 2024	NPRA	New document based on EasyGo format 130001. Removed obsolete options and added clarifications. Changed the “Product code” for better readability. Added new fields for better management of access and authentication keys.

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## 1 PREFACE

### 1.1 Description

This file is produced by the NPRA for AutoPASS, and contains the coding of the OBE that are part of the common EFC service in AutoPASS. The file is part of the data set “EFC Context Data”.

The complete list combines information from all TSPs and is delivered to the TCs. The list contains the identifiers of the issued OBE, which have to be accepted at tolling facilities for the AutoPASS service – as long as the OBE is on a valid AutoPASS user agreement.

### 1.2 Format Versions

This version of the format builds on format version 130001 as previously agreed on in EasyGo. Only fields that no longer are used and fillers have been altered from format version 130001.

### 1.3 File Name Generation

The file name format is: AITxxxxxxYYYYMMDDSS\_zzzzzz\_502401 – 33 characters.

- xxxxxx – Identifier of the sender of the AIT file. Originated by a TSP (6 characters) or the NPRA (110006).
- YYYY – Year
- MM – Month (01-12)
- DD – Day (01-31)
- SS – Sequence within the day. Increments for each file per each sender/receiver combination per day. Starts with 01.
- zzzzzz – Receiver - Files from the NPRA will use the actor ID of the recipient or 110020 (to all RSE suppliers).
- 502401 – The format version number.

### 1.4 Data Formats

#### 1.4.1 Character Set

The ISO 8859-1 character set is to be used.

#### **1.4.2 Time Stamp Format**

All time stamps in the file body shall be given in local Norwegian time.

The format of the time stamp is YYYYMMDDhhmmssddd, where:

- YYYY – Year
- MM – Month (01-12)
- DD – Day (01-31)
- hh – Hour (00-23)
- mm – Minute (00-59)
- ss – Second (00-59)

## 2 AIT FORMAT

The combination of the “BIN”, “BIN extension” and the EFC Context Mark (pos. 2-15 and 23-34) must be unique.

The “Product code” of the AIT as assembled by the NPRA may not be the exact same as the Product code the TSP entered. This can occur if it is deemed necessary in order to help identifying the OBE type.

### 2.1 File Header

Name	Number of Char.	Type of value	Begin	End	Definition	Origin	Adjusted	Mandatory or Optional	Value if Nothing	Padding
Register Identifier	1	Numeric	1	1	“0” = Header	Originator		Mandatory	n/a	n/a
Sender Identifier	6	AlphaN	2	7	6 digits identifier of the actor having created this file. Either NPRA or TSP. 110006 = NPRA	Originator		Mandatory	n/a	n/a
Receiver Identifier	6	AlphaN	8	13	6 digits identifier of the intended receiver of this file. 110006 = NPRA 110020 = All RSE Suppliers	Originator		Mandatory	n/a	n/a
List Sequence	19	AlphaN	14	32	AITxxxxxYYMMDDSS. The first 19 characters of the file name.	Originator		Mandatory	n/a	n/a
Previous List Sequence	19	AlphaN	33	51	AITxxxxxYYMMDDSS (AIT0000000000000000 in first list)	Originator		Mandatory	n/a	n/a
Moment of activation	14	Numeric	52	65	Moment of activation in the RSE (YYMMDDhhmmss). Zeros = Immediate activation.	Originator		Mandatory	Zeros	n/a
Number of records	15	Numeric	66	80	Number of records (lines) in Body	Originator	Right	Mandatory	n/a	Zeros
Moment of creation	14	Numeric	81	94	Timestamp (UTC) when the original file has been created (YYMMDDhhmmss)	Originator		Mandatory	n/a	n/a
List format version	6	AlphaN	95	100	“500001” for the current format version.	Originator		Mandatory	n/a	n/a
Filler	27	AlphaN	101	127	Reserved for future use, filled with Zeros	Originator		Mandatory	Zeros	n/a
End of header	1	AlphaN	128	128	Line Feed. Carriage Return is not to be used.	Originator		Mandatory	n/a	n/a

### 2.2 Body

Name	Number of Char.	Type of value	Begin	End	Definition	Origin	Adjusted	Mandatory or Optional	Value if Nothing	Padding
Register Identifier	1	Numeric	1	1	“1” = Body	Originator		Mandatory	n/a	n/a
BIN	6	AlphaN	2	7	Number of the BIN (6 first digit of PAN no)	TSP		Mandatory	n/a	n/a
BIN Extension	8	AlphaN	8	15	BIN extension (7-14 digit of PAN no).	TSP	Left	Optional	Blanks	Blanks
Length of BIN ID	2	Numeric	16	17	No. of digits (BIN and in some cases counting digits from BIN extension) necessary to identify the TSP uniquely. I.e., Fremtind Service EN15509: 95780007 = 8 characters. The total number of digits used in both BIN + BIN extension must be stated.	TSP	Right	Mandatory	n/a	Zero
Length of PAN no	2	Numeric	18	19	Actual number of characters including check digit, which is always the last digit (conforming to ISO 7812 Standard Modulus control).	TSP		Mandatory	n/a	n/a

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Name	Number of Char.	Type of value	Begin	End	Definition	Origin	Adjusted	Mandatory or Optional	Value if Nothing	Padding
Level of security	1	AlphaN	20	20	Character which identifies the level of security. Note that it shall be read in connection with type of EFC application to use in the OBE. EN15509 Security level 1 is the only allowed value in AutoPASS.			Mandatory	n/a	n/a
Type of contract (Auto PASS)	2	AlphaN	21	22	No longer used.				Zeros	n/a
Actor ID / TSP (Contract provider)	6	AlphaN	23	28	6 digit identifier of the company having issued this BIN. Part of the ISO 14906 EFC Context Mark.	TSP		Mandatory	n/a	n/a
Type of Contract	4	AlphaN	29	32	4 digit identifier according to ISO 14906. Part of the EFC Context Mark.	TSP		Mandatory	n/a	Zeros
Context version	2	AlphaN	33	34	2 digit identifier according to ISO 14906. Part of the EFC Context Mark.	TSP	Right	Mandatory	n/a	Zero
Product code	19	AlphaN	35	53	Free text description of the product. Intended to make it easy to identify products and distinguish between them. A leading blank is allowed. This will make the text easier to read.	TSP/NPRA	Left	Mandatory	n/a	Blanks
Toll Domain OBE ID	6	AlphaN	54	59	Free text identifier assigned by the approving body of the toll domain (NPRA). Uniquely identifies the OBE hardware and configuration. Example: TP-02a A leading blank is allowed.	TSP/NPRA	Left	Mandatory where assigned	Blanks	Blanks
Processor	1	AlphaN	60	60	Issuer Associated Entity (Only for Bank-related Issuers). Not used.				Blank	n/a
Key Reference	1	Numeric	61	61	No longer used.				Zero	n/a
Valid from	14	Numeric	62	75	YYYYMMDDhhmmss (UTC)	TSP or NPRA		Mandatory	n/a	n/a
Type of EFC application to use in the OBE	1	AlphaN	76	76	EFC application to use for the specific context mark: "9" = 15509 (only allowed value)			Mandatory	n/a	n/a
Type of EasyGo OBE	6	Numeric	77	82	"000002" = Most EN15509 with security level 1. "000003" = EasyGo+ (EN15509 w/security level 1).	TSP	Right	Mandatory	n/a	Zeros
KVC for Attribute 120	6	AlphaN	83	88	Example: A56510	TSP		Mandatory	n/a	n/a
Attribute ID of the Key Reference, TSP	3	Numeric	89	91	Key Reference for the TSP Authenticator Attribute ID Example: 111	TSP		Mandatory	n/a	n/a
Attribute ID of the Key Reference, TC	3	Numeric	92	94	Key Reference for the TC Authenticator Attribute ID Example: 118	TSP		Mandatory	n/a	n/a
KVC for Authenticator Key Reference, TC	6	AlphaN	95	100	Example: 1FE471	TSP		Mandatory	n/a	n/a
Keyset Name	5	AlphaN	101	105	Free text name given to the keyset for easy identification. Eksempel: TPK01	NPRA	Left	Optional	Blanks	Blanks
End of Record	1	AlphaN	106	106	End of line	Originator		Mandatory	n/a	n/a

### 2.3 File Footer

Name	Number of Char.	Type of value	Begin	End	Definition	Origin	Adjusted	Mandatory or Optional	Value if Nothing	Padding
Register Identifier	1	Numeric	1	1	"2" = Footer	Originator		Mandatory	n/a	n/a
Filler	62	AlphaN	2	63	Reserved for future use, filled with Zeros	Originator		Mandatory	Zeros	n/a
End of Footer	1	AlphaN	64	64	Line Feed. Carriage Return is not to be used.	Originator		Mandatory	n/a	n/a