



Coding Structure Hungarian ID Issuer



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1 Introduction

This document is to describe the coding structure of the unit packet level unique identifiers (upUI) and aggregated level unique identifiers (aUI) issued by the Hungarian ID Issuer, and to give a guidance how to encode these codes into a data carrier.

The information provided in this document is in line with Commission Implementing Regulation (EU) 2018/574 and its referenced standards.

2 Coding Structure

2.1 Unit packet level unique identifier (upUI)

The following table describes the coding structure of the unit packet level unique identifier (compliant with Implementing Regulation (EU) 2018/574):

Sequence part	Description	Regulated by	Length	Type	Sample code
ID Issuer Code	ID Issuer identification code assigned pursuant to Article 3(4);	Art 8(1)(a)	5	alphanumeric	LEHU1
Serial Number	a serial number, whose probability to be guessed shall be negligible and in any case lower than one in ten thousand	Art 8(1)(b)	9	alphanumeric	ABcd123Ef
Product Code	a code ('product code') allowing for the determination of the following: the place of manufacturing the manufacturing facility referred to in Article 16 the machine used to manufacture the tobacco products referred to in Article 18 the product description the intended market of retail sale the intended shipment route where applicable, the importer into the Union	Art 8(1)(c)	4	alphanumeric	XYz1
Timestamp	the time stamp in the form of a numeric sequence of eight characters, in the format YYMMDDhh, indicating the date and time of manufacture	Art 8(1)(d)	8	numeric	19090314
Total:			26		

It is the responsibility of the ID Issuer to provide the first 3 sequences: **ID Issuer Code**, **Serial Number**, **Product Code**

It is the responsibility of the Manufacturer to provide the 4th sequence: **Timestamp**

2.2 Aggregated level unique identifier (aUI)

The following table describes the coding structure of the aggregated level unique identifier in case it is generated by the ID Issuer (compliant with Implementing Regulation (EU) 2018/574):

Sequence part	Description	Regulated by	Length	Type	Sample code
ID Issuer Code	ID Issuer identification code assigned pursuant to Article 3(4);	Art 11(1)(a)	5	alphanumeric	LEHU1
Serial Number	a serial number, whose probability to be guessed shall be negligible and in any case lower than one in ten thousand	Art 11(1)(b)	9	alphanumeric	ABcd123Ef
Facility Id	the identifier code of the facility (as set out in Article 16) in which the aggregation process took place	Art 11(1)(c)	10	alphanumeric	LEHU1FGHIjk12
Timestamp	the time stamp in the form of a numeric sequence of eight characters, in the format YYMMDDhh, indicating the date and time of manufacture	Art 11(1)(d)	8	numeric	19090314
Total:			32		

It is the responsibility of the ID Issuer to provide the first 3 sequences: **ID Issuer Code**, **Serial Number**, **Facility Id**

It is the responsibility of the Manufacturer to provide the 4th sequence: Timestamp

3 Encoding UIs into a data carrier

In accordance to the Commission Implementing Regulation (EU) 2018/574 it is required to encode a data qualifier into the data carrier before applying it to the appropriate label.

The Hungarian ID Issuer recommends using the following mandatory data qualifier:

5R

The separator character to be added after the ID Issuer Code:

: (the colon character)

The Hungarian ID Issuer does not define any optional data qualifiers.

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3.1 Unit packet level Unique Identifiers (upUI)

Sample upUI issued by the Hungarian ID Issuer:

LEHU1ABcd123EfXYz1

Character sequence that needs to be transferred to the repositories systems (with Timestamp):

LEHU1ABcd123EfXYz119090314

Character sequence that needs to be encoded into a data carrier:

5RLEHU1:ABcd123EfXYz119090314

3.2 Aggregated level Unique Identifiers (aUI)

Sample aUI issued by the Hungarian ID Issuer:

LEHU1ABcd123EfLEHU1FGHIjk12

Character sequence that needs to be transferred to the repositories systems (with Timestamp):

LEHU1ABcd123EfLEHU1FGHIjk1219090314

Character sequence that needs to be encoded into a data carrier:

5RLEHU1:ABcd123EfLEHU1FGHIjk1219090314

4 Sending Unique Identifiers to repositories systems

The upUIs and aUIs shall be transmitted to the repositories systems without symbology identifiers and data qualifiers.