ID Issuer System

Identifiers Format and Structure

Contents

General rules

System alphabet is consisting of uppercase letters of English alphabet [A-Z] without I, B, O and numbers [0-9] in total count of possible 33 characters.

No other characters will be used for creation of entity identifiers (EOID, FID and MID) and unique identifiers (upUI and aUI).

ID Issuer ID for Slovenia ID Issuer is **QCSGSE**.

At the end of each unique identifier (upUI and aUI), a time stamp in the form of YYMMDDh has to be added according to the Regulation 2018/574 / EU.

Economic operator identifier code – EOID

General structure of **EOID** created by the system is :

Position	Name	Length	Example
1	**ID Issuer ID**	6	QCSGSE
2	**Identifier**		
	Identifier type Random Sequence	1 5	E G5DE4

First position is **ID Issuer ID** with fixed length of 6 characters and fixed value **QCSGSE**.

Identifier consist of Identifier type and Random Sequence on second position.

Identifier type is fixed length of 1 character, and value **E**
– Economic Operator generated by ID Issuer for Slovenia

Random sequence is fixed length of 5 characters and random value.

Example of created economic operator identifier (spaces only for easier reading here):

QCSGSE E G5DE4

Facility identifier code – FID

General structure of **FID** created by the system is :

Position	Name	Length	Example
1	**ID Issuer ID**	6	QCSGSE
2	**Identifier**		
	Identifier type Random Sequence	1 5	F G5RT6

First position is **ID Issuer ID** with fixed length of 6 characters and fixed value **QCSGSE**.

Identifier consist of Identifier type and Random Sequence on second position.

Identifier type is fixed length of 1 character, and value **F**
– Facility generated by ID Issuer for Slovenia

Identifier is fixed length of 5 characters and random value.

Example of created facility identifier (spaces only for easier reading here):

QCSGSE F G5RT6

Machine identifier code – MID

General structure of **MID** created by the system is :

Position	Name	Length	Example
1	ID Issuer ID	6	QCSGSE
2	**Identifier**		
	Identifier type Random Sequence	1 5	M T6UZ9

First position is **ID Issuer ID** with fixed length of 6 characters and fixed value **QCSGSE**.

Identifier consist of Identifier type and Random Sequence on second position.

Identifier type is fixed length of 1 character, and value **M**
– Machine generated by ID Issuer for Slovenia

Identifier is fixed length of 5 characters and random value.

Example of created machine identifier (spaces only for easier reading here) :

QCSGSE M T6UZ9

Unit pack unique identifier – upUI

General structure of **upUI** created by the system is :

Position	Name	Length	Example
1	**ID Issuer ID**	6	QCSGSE
2	**Serial Number**		
	Identifier type Random Sequence	1 10	1 5ERU76EQ90
3	**Product Code**	5	2QA24

First position is **ID Issuer ID** with fixed length of 6 characters and fixed value **QCSGSE**.

Serial number consist of Identifier type and Random Sequence on second position.

Identifier type with fixed length of 1 character, and fixed value **1**
– unit pack unique identifiers generated by ID Issuer for Slovenia

Random Sequence with fixed length of 10 characters and random value.

Third position is **Product Code** with fixed length of 5 characters and random value.

Example of created unit pack unique identifier (spaces only for easier reading here) :

QCSGSE 1 5ERU76EQ90 2QA24

Aggregation unique identifier – aUI

General structure of **aUI** created by the system is :

Position	Name	Length	Example
1	**ID Issuer ID**	6	QCSGSE
2	**Serial Number**		
	Identifier type Random Sequence	1 10	2 NM22PK9D90
3	**Facility Code**	5	ERA78

First position is **ID Issuer ID** with fixed length of 6 characters and fixed value **QCSGSE**.

Serial number consist of Identifier type and Random Sequence on second position.

Identifier type with fixed length of 1 character, and fixed value **2**
– aggregation unique identifiers generated by ID Issuer for Slovenia

Random Sequence with fixed length of 10 characters and random value.

Third position is **Facility Code** with fixed length of 5 characters and random value.

Example of created unit pack unique identifier (spaces only for easier reading here) :

QCSGSE 2 NM22PK9D90 ERA78

Identifier types

Character	Interpretation	Character	Interpretation
A	*reserved*	**S**	*reserved*
B	*Not used*	**T**	*reserved*
C	*reserved*	**U**	*reserved*
D	*reserved*	**V**	*reserved*
E	**EOID, ID Issuer Slovenia**	**W**	*reserved*
F	**FID, ID Issuer Slovenia**	**X**	*reserved*
G	*reserved*	**Y**	*reserved*
H	*reserved*	**Z**	*reserved*
I	*Not used*	**0**	*reserved*
J	*reserved*	**1**	**upUI, ID Issuer Slovenia**
K	*reserved*	**2**	**aUI, ID Issuer Slovenia**
L	*reserved*	**3**	*reserved*
M	**MID, ID Issuer Slovenia**	**4**	*reserved*
N	*reserved*	**5**	*reserved*
O	*Not used*	**6**	*reserved*
P	*reserved*	**7**	*reserved*
Q	*reserved*	**8**	*reserved*
R	*reserved*	**9**	*reserved*

Data carrier encoding (recommendation)

Structure of a unit-level unique identifier

(after encoding into a data carrier)

compliant with Implementing Regulation 2018/574 and the applicable international standards

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Unique identifier:	**Symbology Identifier**	**Mandatory Data Qualifier**	**ID Issuer Identification Code**	**Optional Data Qualifier**	**Serial Number**	**Optional Data Qualifier**	**Product code**	**Optional Data Qualifier**	**Timestamp**
Type:	Qualifier	Qualifier	String (**data element**)	Qualifier	String (**data element**)	Qualifier	String (**data element**)	Qualifier	String (**data element**)
Position within the unique identifier:	Fixed	Fixed	Fixed	Free	Free	Free	Free	Fixed	Fixed
Regulated by:	Art. 21(1) and ID issuer's coding structure	Art.3(4), Art.8(1)(a), Art. 21(1) and ID issuer's coding structure	Art.3(4) and Art.8(1)(a)	Art. 21(1) and ID issuer's coding structure	Art.8(1)(b)	Art. 21(1) and ID issuer's coding structure	Art.8(1)(c)	Art. 21(1), Art. 21(4) and ID issuer's coding structure	Art.8(1)(d) and Art.21(4)
Applicable international standards:	ISO/IEC 16022:2006, or ISO/IEC 18004:2015, or ISS DotCode Symbology Spec.	ISO 15459-2:2015 and ISO 15459-3:2014	ISO 15459-2:2015 and ISO 15459-3:2014						
Process	Applied by EO	Applied by EO	Generated by ID issuer	Applied by EO	Generated by ID issuer	Applied by EO	Generated by ID issuer	Applied by EO	Applied by EO
Transmission to the repositories system	No	No	Yes	No	Yes	No	Yes	No	Yes

Note: For the purpose of the above schema, group separators (/FNC1) are considered in the same manner as optional data qualifiers, i.e. their use depends on ID issuer's coding structure.

Example of recommended structure

Mandatory Data Qualifier	ID Issuer ID	Optional Data Qualifier	Serial Number	Product Code	Time Stamp
Added by EO	**Generated by ID Issuer**	**Added by EO**	**Generated by ID Issuer**	**Generated by ID Issuer**	**Added by EO**
5R	**QCSGSE**	**:**	**1ABCDE12345**	**XXYYZ**	**19053011**

Machine readable code, before encoding into chosen data carrier :

5RQCSGSE:1ABCDE12345XXYYZ19053011