

Extracting data from mini QR

Relevant Tag

Name	ID	Name (sub tag)	Subtag	Format	Length	Description	M / O	Remark
Payload	00				Var. up to "99"		M	
		API ID	00	N	06	"000001" = Verify Pay Slip API Note: - The following sub tags will vary based on this API ID	M	
		Sending bank ID	01	N	03		M	Hardcode '014'
		Transaction Ref ID	02	ANS	Up to "25"	Transfer ID Nov 2018 format YYYYMMDD + rand(0-9) + generate_new_traceID()	M	Required in request payload
Country Code	51			ANS	2	TH	M	Required in request payload
CRC	91			ANS	Up to "4"	<p>1. The checksum shall be calculated according to [ISO/IEC 13239] using the polynomial '1021' (hex) and initial value 'FFFF' (hex). The data over which the checksum is calculated shall cover all data objects, including their ID, Length and Value, to be included in the QR Code, in their respective order, as well as the ID and Length of the CRC itself (but excluding its Value).</p> <p>2. Following the Calculation of the checksum, the resulting 2-byte hexadecimal value shall be encoded as a 4-character Alphanumeric Special value by converting each nibble to an Alphanumeric Special character. Example: a CRC with a two-byte hexadecimal value of '007B' is included in the QR Code as "6304007B".</p>		

Logic

- Map fields to tag number according to the specification attached in this page
- TLV for field that is not a sub-tag
 - start with tag number
 - follow by length of data then
 - put the data
 - ex. - country code
 - data(country code): TH length: 2
 - tag number: 51
 - 5102TH
- TLV for field that is a sub-tag
 - start with sub-tag number
 - follow by length of data in that sub-tag
 - follow by the data
 - concatenate all sub-tag TLVs together as data for the parent tag
 - follow the logic of field that is not sub-tag
 - ex.
 - API ID(sub-tag)
 - data: 000001
 - length: 06
 - sub-tag number: 00
 - 0006000001
 - Sending bankID(sub-tag)
 - data: 014
 - length: 03
 - sub-tag number: 01
 - 0103014
 - Transaction Ref ID(sub-tag)
 - data: 123456789023456789012345
 - length: 25
 - sub-tag number: 02
 - 0225123456789023456789012345
 - Payload (parent tag)
 - data: 000600000101030140225123456789023456789012345

Sample data on mini QR

```
"miniQr": "002702232019062543mc8k3ykZbndfi5102TH910377E"
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