

30 April 2019

MEP and ATH forum Register content codes and period of availability

Ron Beatty, Principal Advisor Market Services

Register Content Codes (RCC)

- Networks (and some traders) assign different prices to customers load that either can be controlled, or occurs at different times of a day/night/week
- Network owners define eligibility requirements for network prices
- Register Content Codes are applied at meter channel (register) level
 - Defines what control is applied to a meter channel
 - load control by the distributor
 - time control by the distributor, trader or LCD
 - One meter can have many registers but one register content code only per register
 - List of register content codes is contained in the registry functional specification (SD-020)
- An MEP must record the configuration of meter registers on a metering installation in its registry metering records
- Retailers use this configuration to determine submission information and customer invoices

SD-020

Registry functional specification

Register content code	Description	Status	Comments
AD	kVA demand - kVA MDI	Approved for use	
AH	kVAh - cumulative kVA channel	Approved for use	
CN	Controlled - all load on the channel is subject to control by the distributor at any time via a load control device.	Grandfathered	Use of CN is grandfathered for fully controlled at fixed times, night only and night boost metering installations (for example CN8 and CN11) until the next recertification. All new and recertified night only and night boost metering installations to use NO or NB (as appropriate)

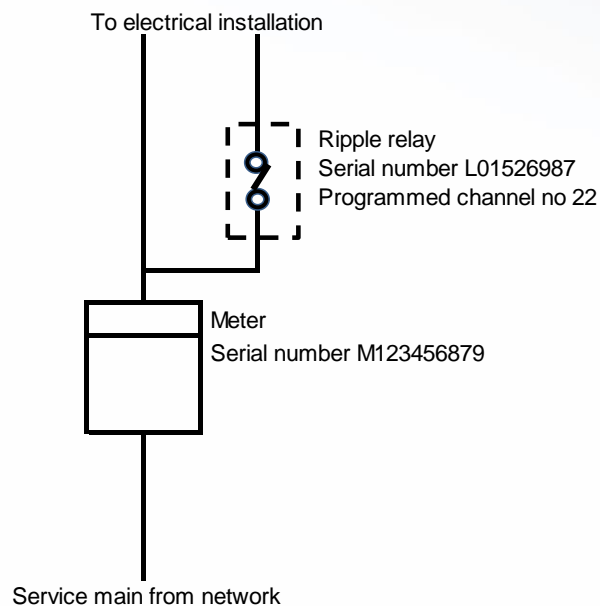
Register Content Codes (RCC)

- Recent clarifications to RCCs
 - CN grandfathered until metering installations next recertified, its use must be as originally intended
 - NO and NB introduced
 - D/N has always been a 2 register meter and these codes must not be separately used
 - DC/NC is now a 2 register meter and these codes must not be separately used
 - DIN/NIN introduced as a 2 register meter and these codes must not be separately used
 - INEM introduced as an emergency - load on the channel is a combination of load controlled only in an emergency and uncontrolled load
 - TOU RCCs rationalised, for networks with different on/off times, a combination of network participant identifier and POA must be used

Minimum Period of Availability (POA)

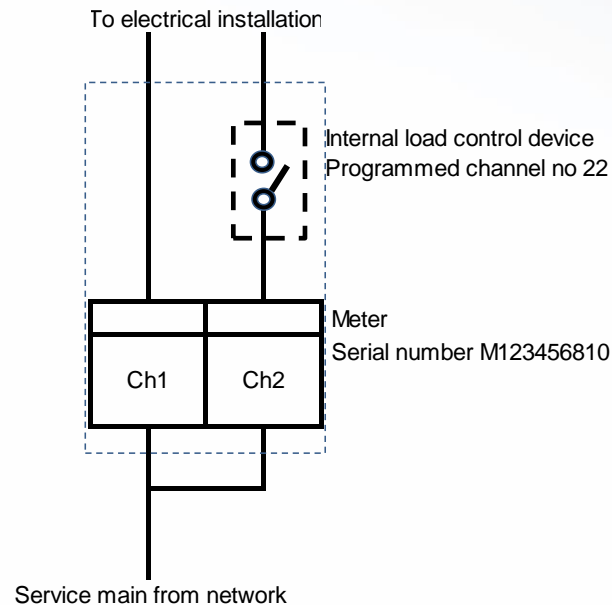
- Minimum Period Of Availability is applied at meter channel (register) level
 - Assists in the definition of what a meter register records
 - Describes the minimum period of supply for controlled load
- Determined by distributors in their pricing plans
- Will be a value between 0 and 24 – (24 indicates there is no control applied to the electricity measured by the register and 0 indicates that the control period is unknown)

RCC and POA on registry



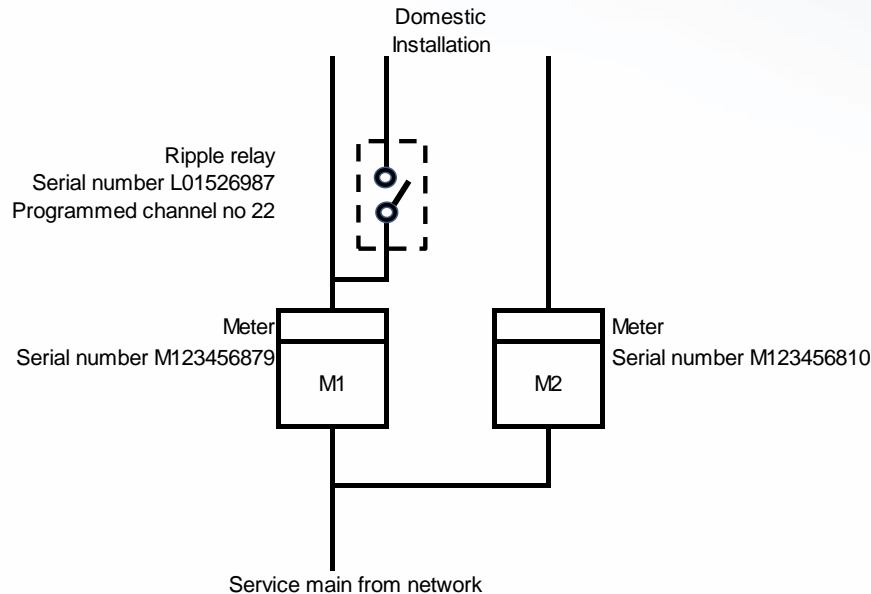
- RCC = IN
- POA = 19
- On registry we should see
 - M1 + IN + 19
 - LCD (optional if not certified)

RCC and POA on registry



- RCC Ch1 = UN
- POA Ch1 = 24
- RCC Ch2 = CN
- POA Ch2 = 17
- On registry we should see
 - M1 + UN + 24
 - + CN + 17
 - LCD (optional if not certified)

RCC and POA on registry



- RCC M1 = IN
- POA M1 = 17
- RCC M2 = UN
- POA M2 = 24
- On registry we should see
 - M1 + IN + 17
 - M2 + UN + 24
 - LCD (optional if not certified)

RCC + POA

- UN24 = uncontrolled channel, supply available 24 hours per day
- CN17 = controlled by distributor, supply available for a minimum of 17 hours per day

- Exercise, what do the following mean
 - IN24 =
 - IN17 =
 - CN8 =
 - NC8 =
 - D14 =
 - N? =

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	

RCC and POA in use

- The registry contains around 8,000 ICPs with unusual RCCs currently, shown as

Flow direction-RCC-POA

1.	I-EG-24 I-EG-24 X-EG-24 X-EG-24 (should also have 2x7304 + 2x7306)	5	Generator
2.	X-CN-15 X-NC-24	1	House
3.	X-CN-24 X-UN-24 X-UN-24	1	
4.	X-N-24	2	
5.	I-7304-24 I-EG-24 X-7304-24 X-7304-24 X-EG-24 X-UN-24	1	
6.	X-7304-19 X-7304-24 X-CN-24 X-IN-19	1	RESIDENCE
7.	X-EG-24 X-IN-19	1	
8.	X-D-22 X-N-22	1	Shed
9.	X-7304-24 X-WD-14 X-WE-10	1	