

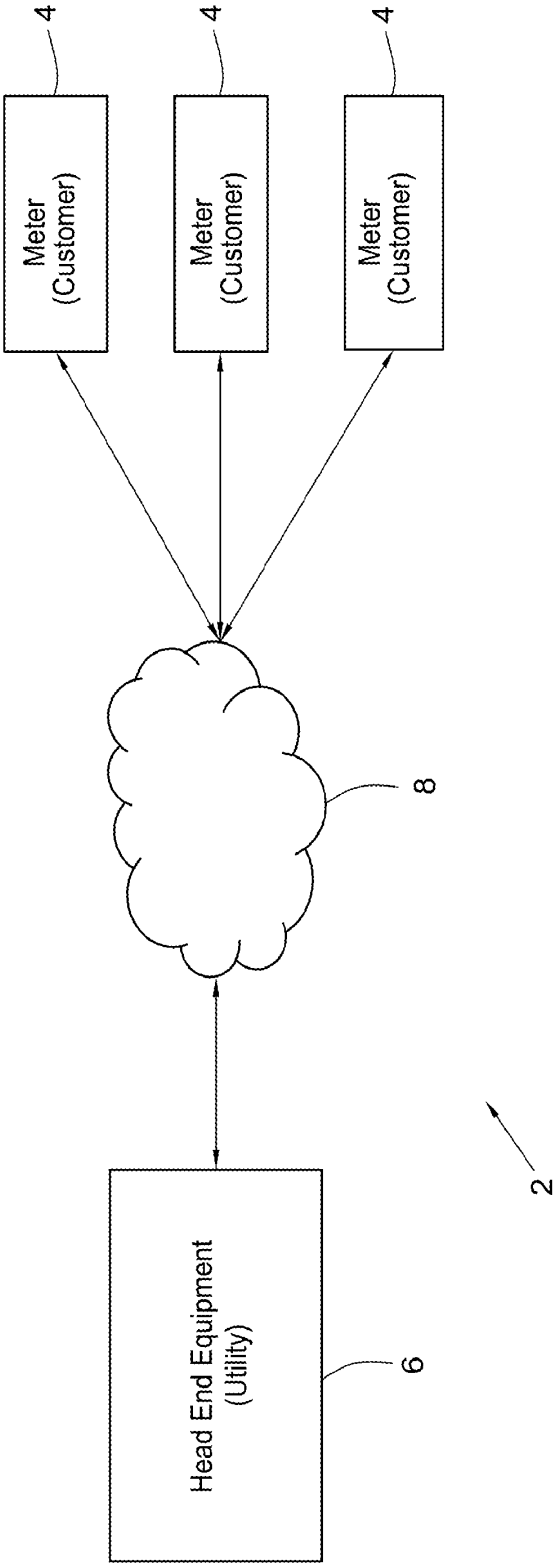


FIG. 1

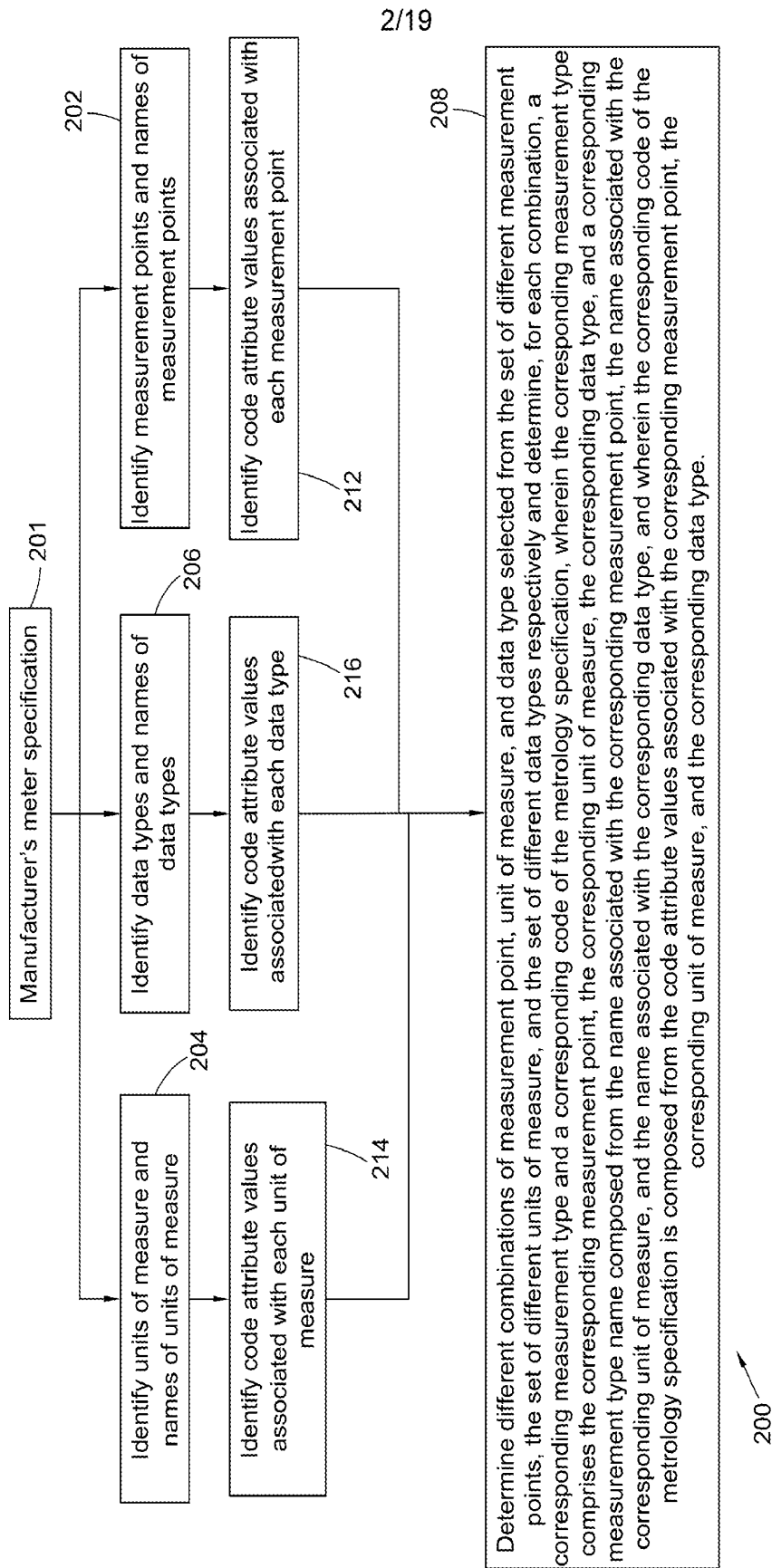


FIG. 2

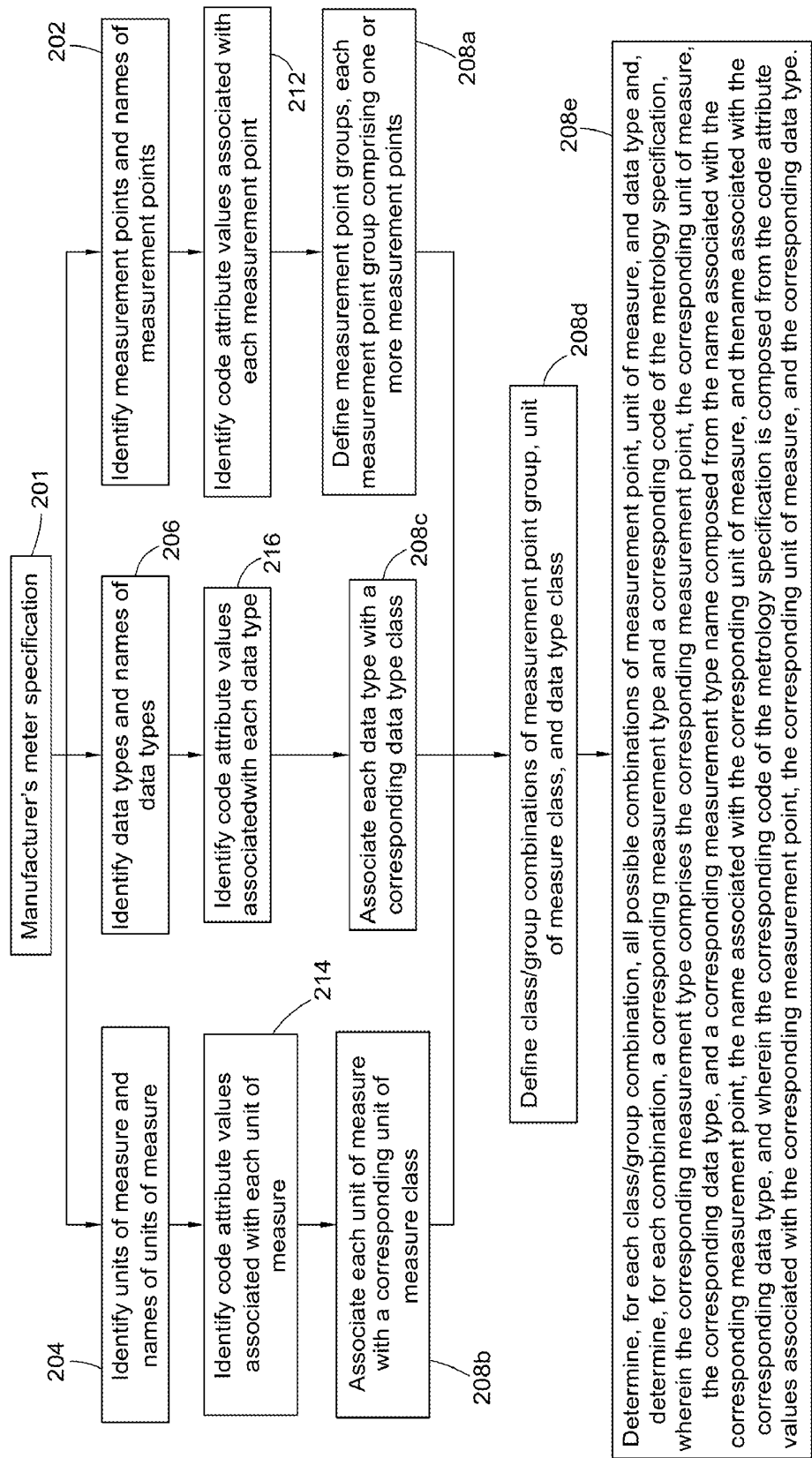
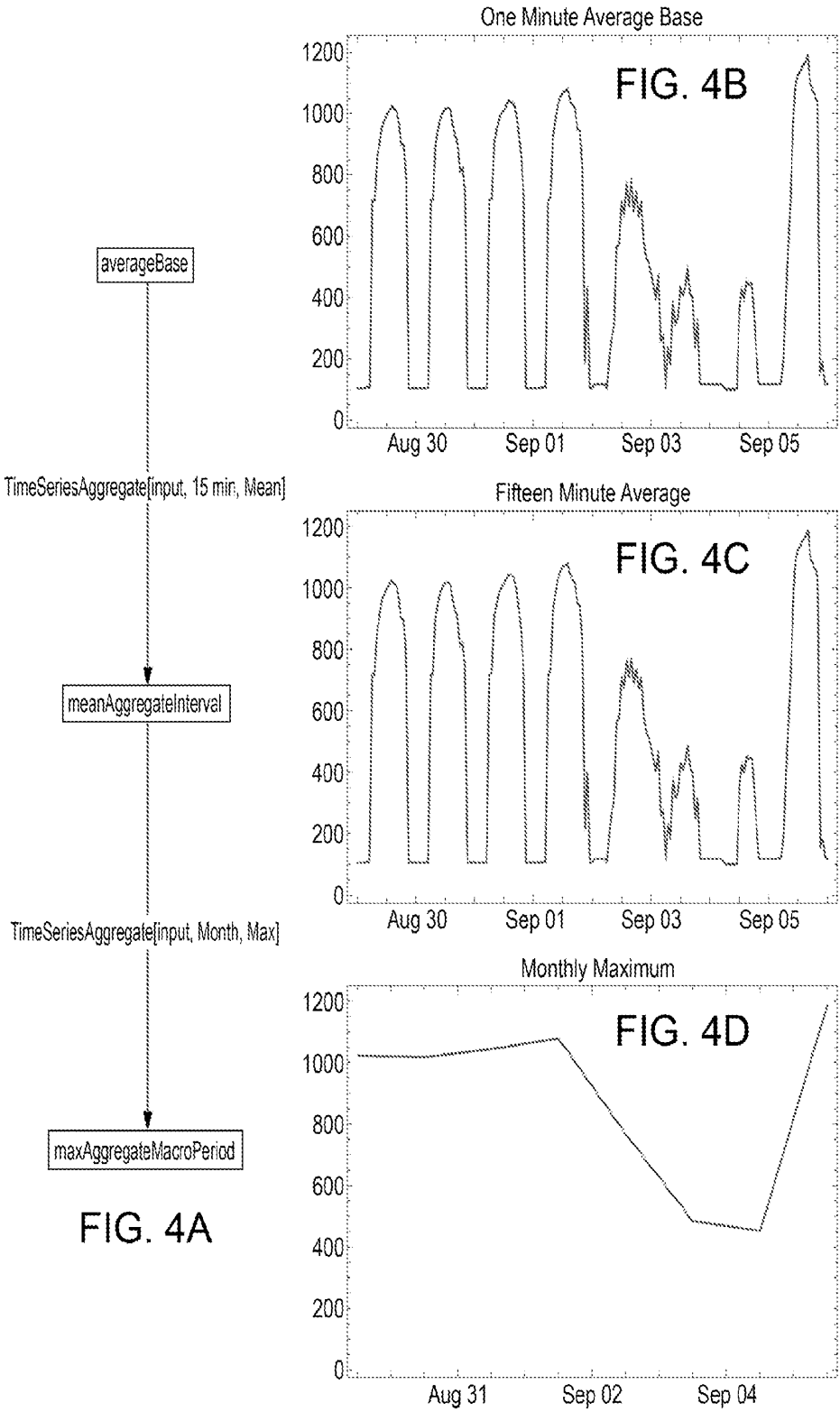


FIG. 3

4/19



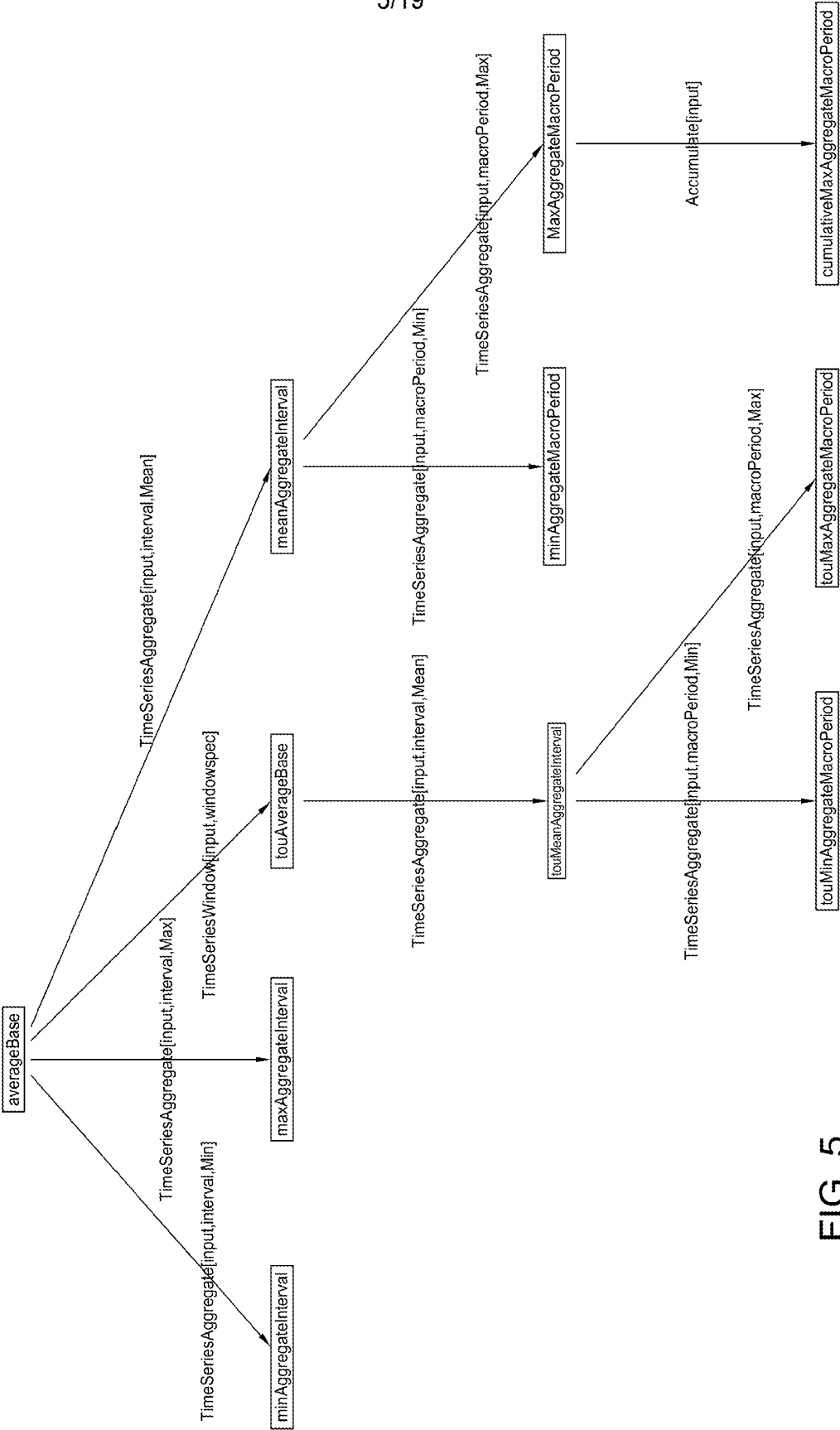


FIG. 5

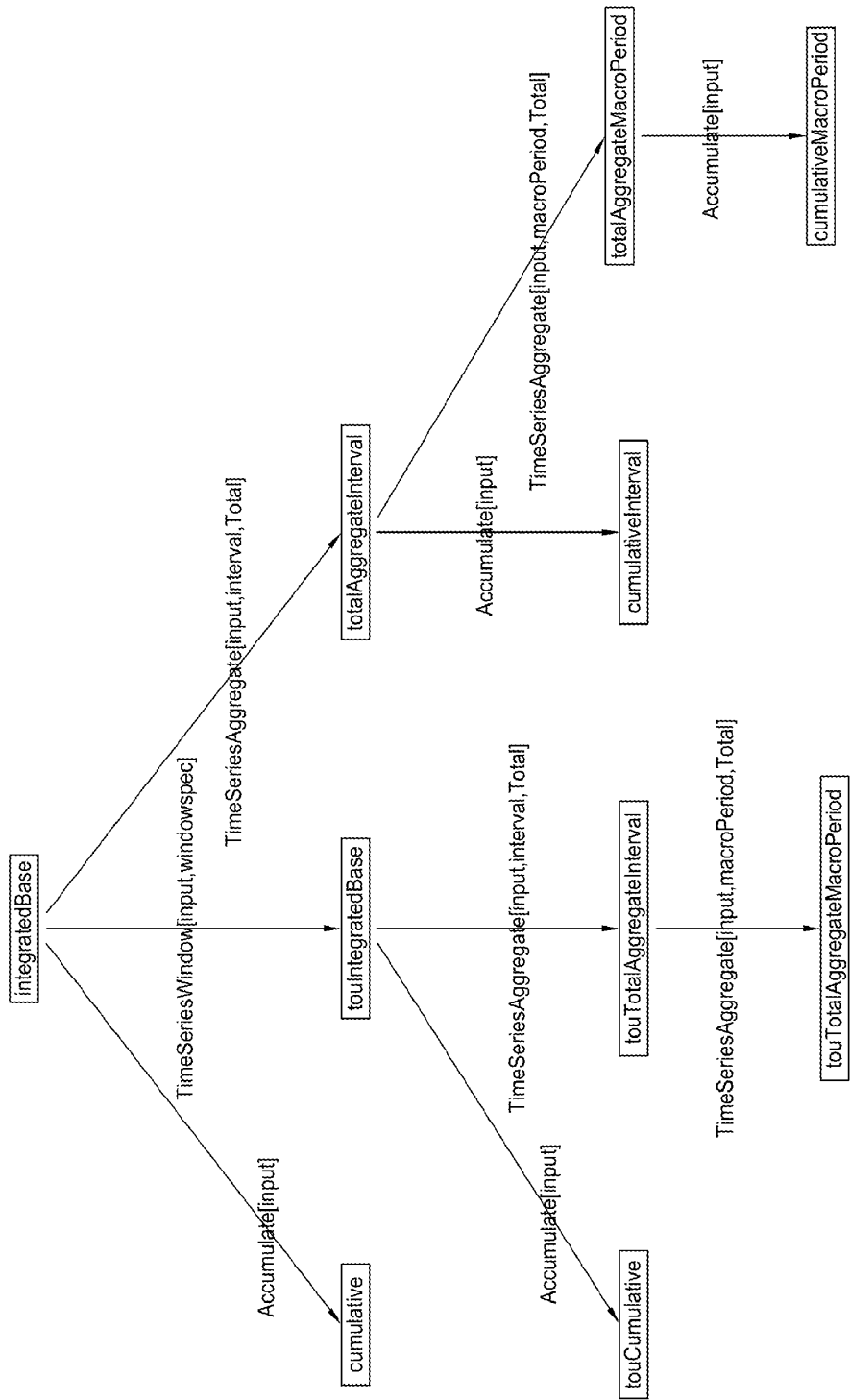


FIG. 6

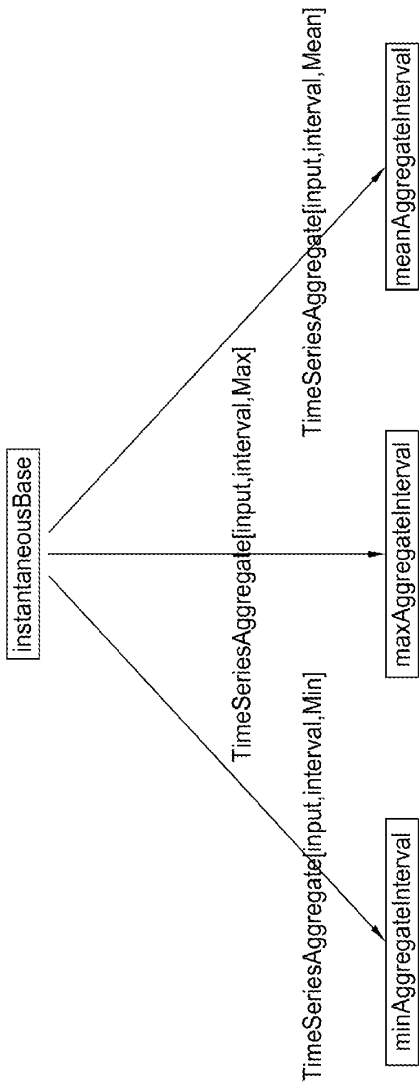


FIG. 7

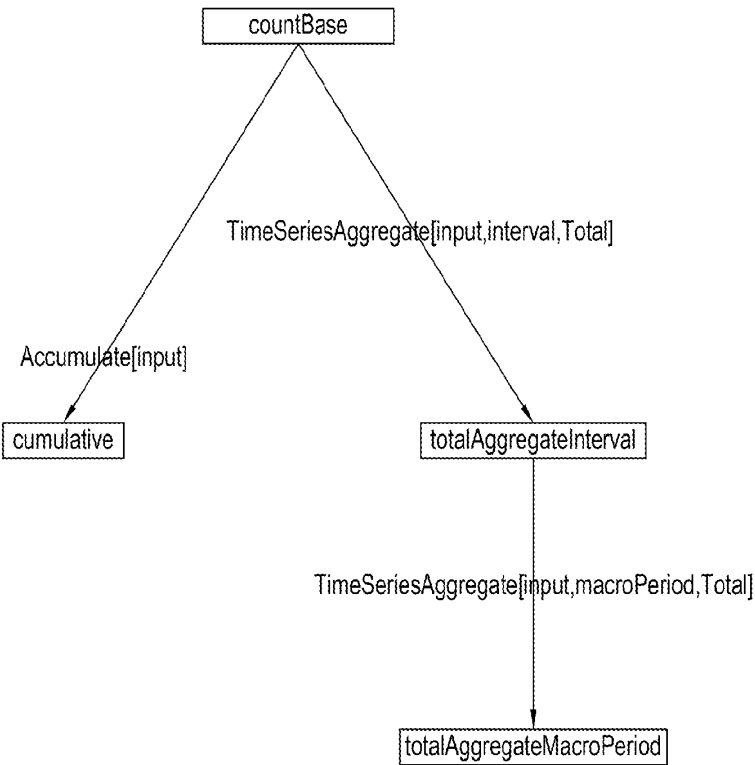


FIG. 8

	members
oneThroughFour	{ none , phaseC , phaseB , phaseA }
one	{ none }
oneElevenThroughThirteen	{ none , phaseCtoN , phaseBtoN , phaseAtoN }
oneEightTen	{ none , loadSidePhaseA , loadSidePhaseC }
twoThreeFour	{ phaseC , phaseB , phaseA }
external1	{ externalInput1 }
external2	{ externalInput2 }

FIG. 9B

Measurement Point Name	cimPhases
none	0
phaseC	32
phaseB	64
phaseA	128
phasesABC	224
phaseNtoGnd	17
anyPhase	300
loadSidePhaseA	301
loadSidePhaseB	302
loadSidePhaseC	303
phaseCtoN	33
phaseBtoN	65
phaseAtoN	129
externalinput1	306
externalinput2	307

FIG. 9A

Unit of Measure Class	Unit of Measure Name	cimFlowDirection	cimCommodity	cimMeasurementKind	cimInterharmonicNum	cimInterharmonicDen	cimUnits	cimCurrency	cimMultiplier
threePhaseEnergy	kWh Q4	18	1	0	0	0	72	0	3
threePhaseEnergy	kWh Q3	17	1	0	0	0	72	0	3
threePhaseEnergy	kWh Q2	16	1	0	0	0	72	0	3
threePhaseEnergy	kWh Rcvd	10	1	0	0	0	72	0	3
threePhaseEnergy	kWh Q1	15	1	0	0	0	72	0	3
threePhaseEnergy	kWh Del	8	1	0	0	0	72	0	3
threePhaseEnergy	kWh Net	4	1	0	0	0	72	0	3
threePhaseEnergy	kWh Sum	20	1	0	0	0	72	0	3
threePhaseEnergy	Phasor kWh Q4	18	1	323	0	0	72	0	3
threePhaseEnergy	Phasor kWh Q3	17	1	323	0	0	72	0	3
threePhaseEnergy	Phasor kWh Q2	16	1	323	0	0	72	0	3
threePhaseEnergy	Phasor kWh Rcvd	10	1	323	0	0	72	0	3
threePhaseEnergy	Phasor kWh Q1	15	1	323	0	0	72	0	3
threePhaseEnergy	Phasor kWh Del	8	1	323	0	0	72	0	3
threePhaseEnergy	Phasor kWh Net	4	1	323	0	0	72	0	3
threePhaseEnergy	Phasor kWh Sum	20	1	323	0	0	72	0	3
threePhaseEnergy	Reactive kVARh Q4	18	1	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Q3	17	1	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Q2	16	1	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Q1	15	1	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Q4	18	1	323	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Q3	17	1	323	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Q2	16	1	323	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Q1	15	1	323	0	0	73	0	3
threePhaseEnergy	Reactive kVARh (Q1+Q4)	8	1	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh (Q1+Q4)	8	1	323	0	0	73	0	3
threePhaseEnergy	Reactive kVARh (Q1+Q3)	7	1	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh (Q1+Q3)	7	1	323	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Del	5	1	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Del	5	1	323	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Sum	20	1	0	0	0	73	0	3

FIG. 10A

threePhaseEnergy	Phasor kVARh Sum	20	1	323	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh Net	4	1	0	0	0	0	73	0	3
threePhaseEnergy	Phasor kVARh Net	4	1	323	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh (Q1+Q3)-(Q2+Q4)	300	1	0	0	0	0	73	0	3
threePhaseEnergy	Phasor kVARh (Q1+Q3)-(Q2+Q4)	300	1	323	0	0	0	73	0	3
threePhaseEnergy	Reactive kVARh (Q1+Q4)-(Q2+Q3)	301	1	0	0	0	0	73	0	3
threePhaseEnergy	Phasor kVARh (Q1+Q4)-(Q2+Q3)	301	1	323	0	0	0	73	0	3
threePhaseEnergy	Apparent kVAh Q4	18	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Q4	18	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh Q3	17	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Q3	17	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh (Q3+Q4)	13	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh (Q3+Q4)	13	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh Q2	16	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Q2	16	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh (Q2+Q4)	11	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh (Q2+Q4)	11	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh Rcvd	10	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Rcvd	10	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh Q1	15	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Q1	15	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh Del	8	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Del	8	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh (Q1+Q3)	7	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh (Q1+Q3)	7	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh (Q1+Q2)	5	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh (Q1+Q2)	5	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh Sum	20	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Sum	20	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh Net	4	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh Net	4	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh (Q1+Q2)-(Q3+Q4)	303	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh (Q1+Q2)-(Q3+Q4)	303	1	323	0	0	0	71	0	3
threePhaseEnergy	Apparent kVAh (Q1+Q3)-(Q2+Q4)	300	1	0	0	0	0	71	0	3
threePhaseEnergy	Phasor kVAh (Q1+Q3)-(Q2+Q4)	300	1	323	0	0	0	71	0	3

FIG. 10B

Data Type Name	Data Type Class	cimMacroPeriod	cimAggregate	cimMeasuringPeriod	cimAccumulation	cimArgumentNum	cimArgumentDem	cimTou	cimCopp	cimConsumptionTier
billingIntegratedMacroPeriod	integratedMacro	8	8	0	4	0	0	0	0	0
billingAccumulatingMacroPeriod	accumulatingMacro	8	8	0	1	0	0	0	0	0
dailyIntegratedMacroPeriod	integratedMacro	11	0	0	4	0	0	0	0	0
dailyAccumulatingMacroPeriod	accumulatingMacro	11	0	0	1	0	0	0	0	0
monthlyIntegratedMacroPeriod	integratedMacro	13	0	0	4	0	0	0	0	0
monthlyAccumulatingMacroPeriod	accumulatingMacro	13	0	0	1	0	0	0	0	0
oneMinuteMinimumInterval	mme	0	9	3	0	0	0	0	0	0
oneMinuteMaximumInterval	mme	0	8	3	0	0	0	0	0	0
oneMinuteIgNBDInterval	mme	0	2	3	0	0	0	0	0	0
oneMinuteMeanInterval	meanVA	0	2	3	0	0	0	0	0	0
oneMinuteEndOfInterval	mme	0	0	3	12	0	0	0	0	0
twoMinuteMinimumInterval	mme	0	9	10	0	0	0	0	0	0
twoMinuteMaximumInterval	mme	0	8	10	0	0	0	0	0	0
twoMinuteIgNBDInterval	mme	0	2	10	0	0	0	0	0	0
twoMinuteMeanInterval	meanVA	0	2	10	0	0	0	0	0	0
twoMinuteEndOfInterval	mme	0	0	10	12	0	0	0	0	0
fiveMinuteMinimumInterval	mme	0	9	6	0	0	0	0	0	0
fiveMinuteMaximumInterval	mme	0	8	6	0	0	0	0	0	0
fiveMinuteIgNBDInterval	mme	0	2	6	0	0	0	0	0	0
fiveMinuteMeanInterval	meanVA	0	2	6	0	0	0	0	0	0
fiveMinuteEndOfInterval	mme	0	0	6	12	0	0	0	0	0
tenMinuteMinimumInterval	mme	0	9	1	0	0	0	0	0	0
tenMinuteMaximumInterval	mme	0	8	1	0	0	0	0	0	0

FIG. 11A

tenMinuteIgNBDInterval	mme	0	2	1	0	0	0	0	0	0
tenMinuteMeanInterval	meanVA	0	0	1	0	0	0	0	0	0
tenMinuteEndOfInterval	mme	0	0	1	12	0	0	0	0	0
fifteenMinuteMinimumInterval	mme	0	9	2	0	0	0	0	0	0
fifteenMinuteMaximumInterval	mme	0	8	2	0	0	0	0	0	0
fifteenMinuteIgNBDInterval	mme	0	2	2	0	0	0	0	0	0
fifteenMinuteMeanInterval	meanVA	0	2	2	0	0	0	0	0	0
fifteenMinuteEndOfInterval	mme	0	0	2	12	0	0	0	0	0
thirtyMinuteMinimumInterval	mme	0	9	5	0	0	0	0	0	0
thirtyMinuteMaximumInterval	mme	0	8	5	0	0	0	0	0	0
thirtyMinuteIgNBDInterval	mme	0	2	5	0	0	0	0	0	0
thirtyMinuteMeanInterval	meanVA	0	2	5	0	0	0	0	0	0
thirtyMinuteEndOfInterval	mme	0	0	5	12	0	0	0	0	0
sixtyMinuteMinimumInterval	mme	0	9	7	0	0	0	0	0	0
sixtyMinuteMaximumInterval	mme	0	8	7	0	0	0	0	0	0
sixtyMinuteIgNBDInterval	mme	0	2	7	0	0	0	0	0	0
sixtyMinuteMeanInterval	meanVA	0	2	7	0	0	0	0	0	0
sixtyMinuteEndOfInterval	mme	0	0	7	12	0	0	0	0	0
billingMinimumMacroPeriod	minimumMacro	8	9	0	0	0	0	0	0	0
billingMaximumMacroPeriod	maximumMacro	8	8	0	0	0	0	0	0	0
billingMeanMacroPeriod	meanMacro	8	2	0	0	0	0	0	0	0
dailyMinimumMacroPeriod	minimumMacro	11	9	0	0	0	0	0	0	0
dailyMaximumMacroPeriod	maximumMacro	11	8	0	0	0	0	0	0	0
dailyMeanMacroPeriod	meanMacro	11	2	0	0	0	0	0	0	0

FIG. 11B

Combination Name	Data Type Class	Unit of Measure Class	Measurement Point Group
threePhaseEnergy	accumulating	threePhaseEnergy	oneThroughFour
calculatedNetEnergy	accumulating	calculatedNetEnergy	one
threePhaseEnergy	integratedInterval	threePhaseEnergy	oneThroughFour
threePhasePowerMax	maximum	threePhasePowerMax	oneThroughFour
demandTimestamp	maximumTimestamp	demandTimestamp	oneThroughFour
threePhasePowerMaxPlus	maximumPlus	threePhasePower	one
powerFactorMin	minimum	powerFactor	oneThroughFour
powerFactorMean	mean	powerFactor	oneThroughFour
threePhasePower	mme	threePhasePower	oneThroughFour
volts	instantaneous	volts	oneElevenThroughThirteen
loadSideVolts	instantaneous	loadSideVolts	eightTen
amps	instantaneous	amps	twoThreeFour
threePhasePowerInstantaneous	instantaneous	threePhasePower	oneThroughFour
quadrantLessWatts	instantaneous	quadrantLessWatts	one
volts	mme	volts	oneElevenThroughThirteen
amps	mme	amps	twoThreeFour
externalInput1	external	external	external1
externalInput2	external2	external	external2
maximumMacro	maximumMacro	threePhasePower	oneThroughFour
sagSwell	countInterval	count	oneThroughFour
frequencyMean	mean	frequency	one
frequencyInstantaneous	instantaneous	frequency	one
minimumPlus	minimumPlus	powerFactor	one
minimumTimestamp	minimumTimestamp	powerFactorTimestamp	one
threePhasePowermme	mme	threePhasePower	oneThroughFour
voltsmVA	meanVA	volts	oneElevenThroughThirteen
ampsmVA	meanVA	amps	oneThroughFour
count	countInterval	count	oneThroughFour
voltsCorrected	meanVACorrected	correctedAmps	oneElevenThroughThirteen
ampsCorrected	meanVACorrected	correctedVolts	oneThroughFour
thdTemp	mme	mme	oneThroughFour
meta	meta	meta	one
meterCount	count	meterCount	one

FIG. 12

Example Reading Type Code Generation

Function Definition

Start with a single combination

In this case this is for interval consumption values.

In[12]:= combination = EntityValue [EntityList ["readingTypeCombinations"] [[-1]], "Dataset"]

Out[12]:=

Name	maximumMacro
simple Data Type Class	maximumMacro
simple Measurement Point Group	oneThroughFour
simple Unit Of Measure Class	threePhasePower

FIG. 13A

16/19

Expand the combination to include all Data Type Class, Unit of Measure Class and Measurement Point Group members

```

In[13]:= listOfCombinations =
  {EntityList[EntityClass["rtDataType", #[[2]]], EntityList[EntityClass["rtUoM", #[[4]]],
    EntityValue[EntityValue[Entity["rtMeasurementPointGroups", #[[3]]],
      "members"]]} & /@ {combiation}

Out[13]:= {{{ billingMaximumMacroPeriod , dailyMaximumMacroPeriod },
  { kW Q4 , kW Q3 , kW Q2 , kW Rcvd , kW Q1 , kW Del , kW Net , kW Sum ,
    Phasor kW Q4 , Phasor kW Q3 , Phasor kW Q2 , Phasor kW Rcvd , Phasor kW Q1 ,
    Phasor kW Del , Phasor kW Net , Phasor kW Sum , Reactive kVAR Q4 ,
    Phasor kVAR Q4 , Reactive kVAR Q3 , Phasor kVAR Q3 , Reactive kVAR Rcvd ,
    Phasor kVAR Rcvd , Reactive kVAR Q2 , Phasor kVAR Q2 , Reactive kVAR (Q2+Q4) ,
    Phasor kVAR (Q2+Q4) , Reactive kVAR (Q2+Q3) , Phasor kVAR (Q2+Q3) ,
    Reactive kVAR Q1 , Phasor kVAR Q1 , Reactive kVAR (Q1+Q4) , Phasor kVAR (Q1+Q4) ,
    Reactive kVAR (Q1+Q3) , Phasor kVAR (Q1+Q3) , Reactive kVAR Del ,
    Phasor kVAR Del , Reactive kVAR Sum , Phasor kVAR Sum , Reactive kVAR Net ,
    Phasor kVAR Net , Reactive kVAR (Q1+Q3)-(Q2+Q4) , Phasor kVAR (Q1+Q3)-(Q2+Q4) ,
    Reactive kVAR (Q1+Q4)-(Q2+Q3) , Phasor kVAR (Q1+Q4)-(Q2+Q3) , Apparent kVA Q4 ,
    Phasor kVA Q4 , Apparent kVA Q3 , Phasor kVA Q3 , Apparent kVA (Q3+Q4) ,
    Phasor kVA (Q3+Q4) , Apparent kVA Q2 , Phasor kVA Q2 , Apparent kVA (Q2+Q4) ,
    Phasor kVA (Q2+Q4) , Apparent kVA Rcvd , Phasor kVA Rcvd , Apparent kVA Q1 ,
    Phasor kVA Q1 , Apparent kVA Del , Phasor kVA Del , Apparent kVA (Q1+Q3) ,
    Phasor kVA (Q1+Q3) , Apparent kVA (Q1+Q2) , Phasor kVA (Q1+Q2) , Apparent kVA Sum ,
    Phasor kVA Sum , Apparent kVA Net , Phasor kVA Net , Apparent kVA (Q1+Q2)-(Q3+Q4) ,
    Phasor kVA (Q1+Q2)-(Q3+Q4) , Apparent kVA (Q1+Q3)-(Q2+Q4) ,
    Phasor kVA (Q1+Q3)-(Q2+Q4) }, { None , phaseC , phaseB , phaseA }}}

```

FIG. 13B

Create all combinations from the list of lists

In[14]:= reveloSimpleCodes = Flatten[Tuples[#] & @ listOfCombinations, 1]

{ billingMaximumMacroPeriod , kW Q4 , none , { billingMaximumMacroPeriod , kW Del , none , { billingMaximumMacroPeriod , Phasor kW Q2 , none ,
{ billingMaximumMacroPeriod , kW Q4 , phaseC , { billingMaximumMacroPeriod , kW Del , phaseC , { billingMaximumMacroPeriod , Phasor kW Q2 , phaseC ,
{ billingMaximumMacroPeriod , kW Q4 , phaseB , { billingMaximumMacroPeriod , kW Del , phaseB , { billingMaximumMacroPeriod , Phasor kW Q2 , phaseB ,
{ billingMaximumMacroPeriod , kW Q4 , phaseA , { billingMaximumMacroPeriod , kW Del , phaseA , { billingMaximumMacroPeriod , Phasor kW Q2 , phaseA ,
{ billingMaximumMacroPeriod , kW Q3 , none , { billingMaximumMacroPeriod , kW Net , none , { billingMaximumMacroPeriod , Phasor kW Rcvd , none ,
{ billingMaximumMacroPeriod , kW Q3 , phaseC , { billingMaximumMacroPeriod , kW Net , phaseC , { billingMaximumMacroPeriod , Phasor kW Rcvd , phaseC ,
{ billingMaximumMacroPeriod , kW Q3 , phaseB , { billingMaximumMacroPeriod , kW Net , phaseB , { billingMaximumMacroPeriod , Phasor kW Rcvd , phaseB ,
{ billingMaximumMacroPeriod , kW Q3 , phaseA , { billingMaximumMacroPeriod , kW Net , phaseA , { billingMaximumMacroPeriod , Phasor kW Rcvd , phaseA ,
{ billingMaximumMacroPeriod , kW Q2 , none , { billingMaximumMacroPeriod , kW Sum , none , { billingMaximumMacroPeriod , Phasor kW Q1 , none ,
{ billingMaximumMacroPeriod , kW Q2 , phaseC , { billingMaximumMacroPeriod , kW Sum , phaseC , { billingMaximumMacroPeriod , Phasor kW Q1 , phaseC ,
{ billingMaximumMacroPeriod , kW Q2 , phaseB , { billingMaximumMacroPeriod , kW Sum , phaseB , { billingMaximumMacroPeriod , Phasor kW Q1 , phaseB ,
{ billingMaximumMacroPeriod , kW Q2 , phaseA , { billingMaximumMacroPeriod , kW Sum , phaseA , { billingMaximumMacroPeriod , Phasor kW Q1 , phaseA ,
{ billingMaximumMacroPeriod , kW Rcvd , none , { billingMaximumMacroPeriod , Phasor kW Q4 , none , { billingMaximumMacroPeriod , Phasor kW Del , none ,
{ billingMaximumMacroPeriod , kW Rcvd , phaseC , { billingMaximumMacroPeriod , Phasor kW Q4 , phaseC , { billingMaximumMacroPeriod , Phasor kW Del , phaseC ,
{ billingMaximumMacroPeriod , kW Rcvd , phaseB , { billingMaximumMacroPeriod , Phasor kW Q4 , phaseB , { billingMaximumMacroPeriod , Phasor kW Del , phaseB ,
{ billingMaximumMacroPeriod , kW Rcvd , phaseA , { billingMaximumMacroPeriod , Phasor kW Q4 , phaseA , { billingMaximumMacroPeriod , Phasor kW Del , phaseA ,
{ billingMaximumMacroPeriod , kW Q1 , none , { billingMaximumMacroPeriod , Phasor kW Q3 , none , { billingMaximumMacroPeriod , Phasor kW Del , none ,
{ billingMaximumMacroPeriod , kW Q1 , phaseC , { billingMaximumMacroPeriod , Phasor kW Q3 , phaseC , { billingMaximumMacroPeriod , Phasor kW Del , phaseC ,
{ billingMaximumMacroPeriod , kW Q1 , phaseB , { billingMaximumMacroPeriod , Phasor kW Q3 , phaseB , { billingMaximumMacroPeriod , Phasor kW Del , phaseB ,
{ billingMaximumMacroPeriod , kW Q1 , phaseA , { billingMaximumMacroPeriod , Phasor kW Q3 , phaseA , { billingMaximumMacroPeriod , Phasor kW Del , phaseA ,

FIG. 13C

For each combination generate the lgCode, lgDescription, cimCode, cimDescription

```
In[15]:= codeDataset = Dataset [<] simpleCodesToCIMToLG [#] & /@ revealSimpleCodes |>]
```

Out[15]:=

billingMaximumMacroPeriod kW Q4 none
billingMaximumMacroPeriod kW Q4 phaseC
billingMaximumMacroPeriod kW Q4 phaseB
billingMaximumMacroPeriod kW Q4 phaseA
billingMaximumMacroPeriod kW Q3 none
billingMaximumMacroPeriod kW Q3 phaseC
billingMaximumMacroPeriod kW Q3 phaseB
billingMaximumMacroPeriod kW Q3 phaseA
billingMaximumMacroPeriod kW Q2 none
billingMaximumMacroPeriod kW Q2 phaseC
billingMaximumMacroPeriod kW Q2 phaseB
billingMaximumMacroPeriod kW Q2 phaseA
billingMaximumMacroPeriod kW Rcvd none
billingMaximumMacroPeriod kW Rcvd phaseC
billingMaximumMacroPeriod kW Rcvd phaseB
billingMaximumMacroPeriod kW Rcvd phaseA
billingMaximumMacroPeriod kW Q1 none
billingMaximumMacroPeriod kW Q1 phaseC
billingMaximumMacroPeriod kW Q1 phaseB
billingMaximumMacroPeriod kW Q1 phaseA

rows 1-20 of 576

FIG. 13D

Measurement Type Name	cimCode	cimDescription
billingMaximumMacroPeriod kW Q4 none	8.8.0.0.18.1.0.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum quadrant4 electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Q4 phaseC	8.8.0.0.18.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum quadrant4 electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Q4 phaseB	8.8.0.0.18.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum quadrant4 electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Q4 phaseA	8.8.0.0.18.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum quadrant4 electricity SecondaryMetered phaseA k w
billingMaximumMacroPeriod kW Q3 none	8.8.0.0.17.1.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum quadrant3 electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Q3 phaseC	8.8.0.0.17.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum quadrant3 electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Q3 phaseB	8.8.0.0.17.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum quadrant3 electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Q3 phaseA	8.8.0.0.17.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum quadrant3 electricity SecondaryMetered phaseA k w
billingMaximumMacroPeriod kW Q2 none	8.8.0.0.16.1.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum quadrant2 electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Q2 phaseC	8.8.0.0.16.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum quadrant2 electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Q2 phaseB	8.8.0.0.16.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum quadrant2 electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Q2 phaseA	8.8.0.0.16.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum quadrant2 electricity SecondaryMetered phaseA k w
billingMaximumMacroPeriod kW Rcvd none	8.8.0.0.10.1.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum q2plusQ3 electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Rcvd phaseC	8.8.0.0.10.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum q2plusQ3 electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Rcvd phaseB	8.8.0.0.10.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum q2plusQ3 electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Rcvd phaseA	8.8.0.0.10.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum q2plusQ3 electricity SecondaryMetered phaseA k w
billingMaximumMacroPeriod kW Q1 none	8.8.0.0.15.1.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum quadrant1 electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Q1 phaseC	8.8.0.0.15.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum quadrant1 electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Q1 phaseB	8.8.0.0.15.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum quadrant1 electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Q1 phaseA	8.8.0.0.15.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum quadrant1 electricity SecondaryMetered phaseA k w
billingMaximumMacroPeriod kW Del none	8.8.0.0.8.1.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum q1plusQ4 electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Del phaseC	8.8.0.0.8.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum q1plusQ4 electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Del phaseB	8.8.0.0.8.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum q1plusQ4 electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Del phaseA	8.8.0.0.8.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum q1plusQ4 electricity SecondaryMetered phaseA k w
billingMaximumMacroPeriod kW Net none	8.8.0.0.4.1.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum net electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Net phaseC	8.8.0.0.4.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum net electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Net phaseB	8.8.0.0.4.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum net electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Net phaseA	8.8.0.0.4.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum net electricity SecondaryMetered phaseA k w
billingMaximumMacroPeriod kW Sum none	8.8.0.0.20.1.0.0.0.0.0.0.0.3.38.0	billingPeriod maximum total electricity SecondaryMetered k w
billingMaximumMacroPeriod kW Sum phaseC	8.8.0.0.20.1.0.0.0.0.0.0.0.32.3.38.0	billingPeriod maximum total electricity SecondaryMetered phaseC k w
billingMaximumMacroPeriod kW Sum phaseB	8.8.0.0.20.1.0.0.0.0.0.0.0.64.3.38.0	billingPeriod maximum total electricity SecondaryMetered phaseB k w
billingMaximumMacroPeriod kW Sum phaseA	8.8.0.0.20.1.0.0.0.0.0.0.0.128.3.38.0	billingPeriod maximum total electricity SecondaryMetered phaseA k w

FIG. 14