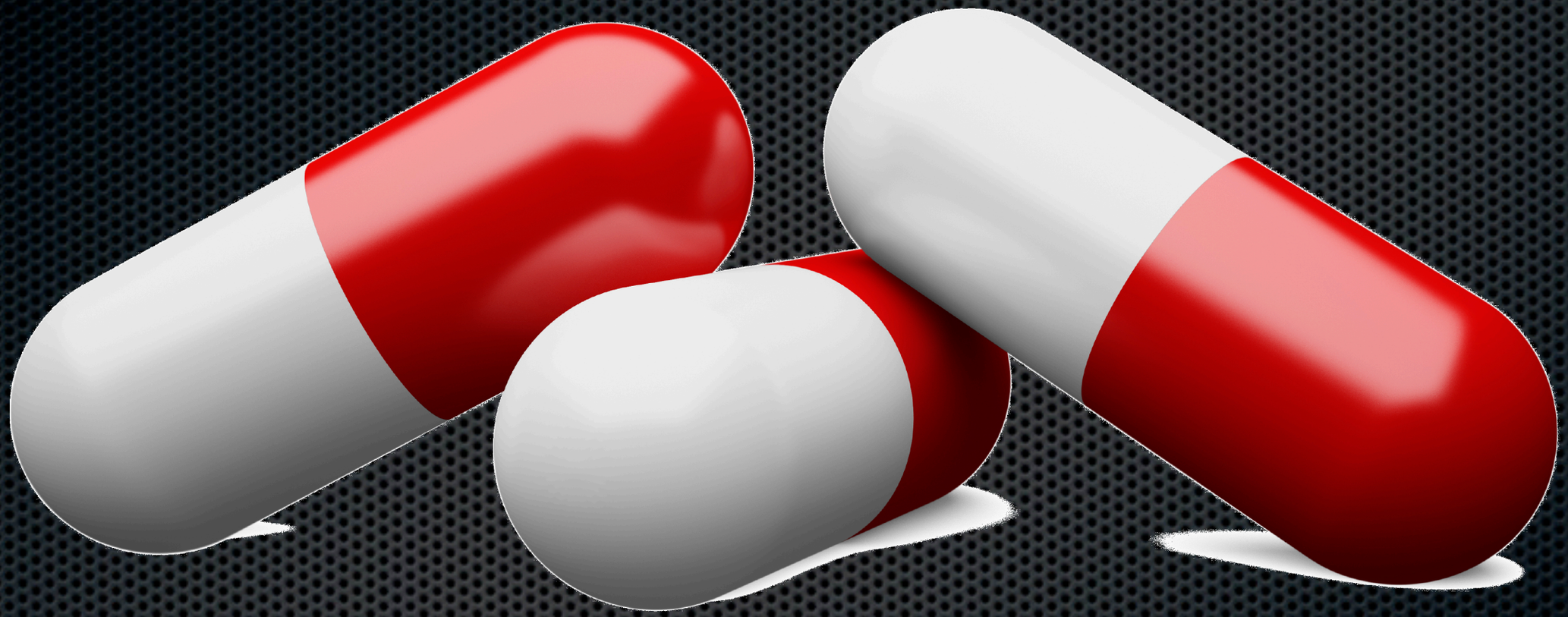

# PharmBiz

## Software Vendors Forum

# Agenda

- Introduction/setup
- Review Action Items
- PBS XML Schema v1.7
- PBS Schedule Data
- Prescriber Groups
- Highly Specialised Drugs
- PBS Number (Item Code)
- MPS Changes
- AMT Changes
- Forums and Workshops
- Other Business

# Agenda

- Introduction/setup
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# PBS XML Schema

- ‘Emergency’ release of v1.7
- Released 27th January 2010
- For Schedule effective 1st March 2010
- March 2010 PBS Schedule includes new Manner of Administration
  - http://www.health.gov.au/Schema/PBS/Administration#injection,solvent-for-injectables

# PBS XML Schema

- Coded values are problematic
  - caused 4 version changes to v1.X series
- Convert to data specification

# PBS XML Schema

- Emergency release policy
- What is an ‘emergency’?
- MUST only be a minor version change
  - ie. backward compatible
- SHOULD only involve changing coded values
- SHOULD NOT involve changing meaning/interpretation

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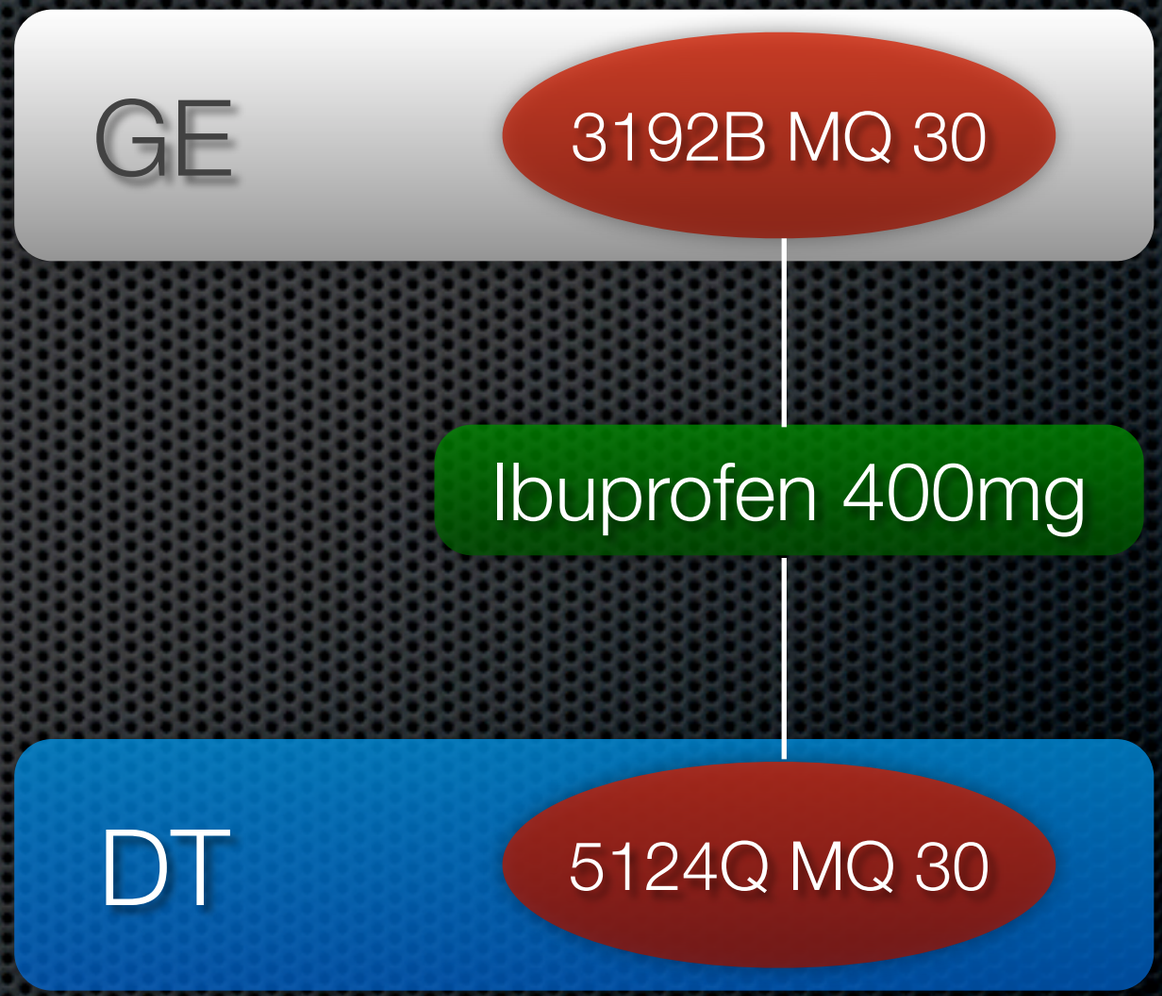
# Prescriber Groups

- PBS Item:
  - Drug, form, strength, restrictions, limits, price model, prescriber
- Drug Type
  - GE, DT, OT, PL
- Items must be duplicated

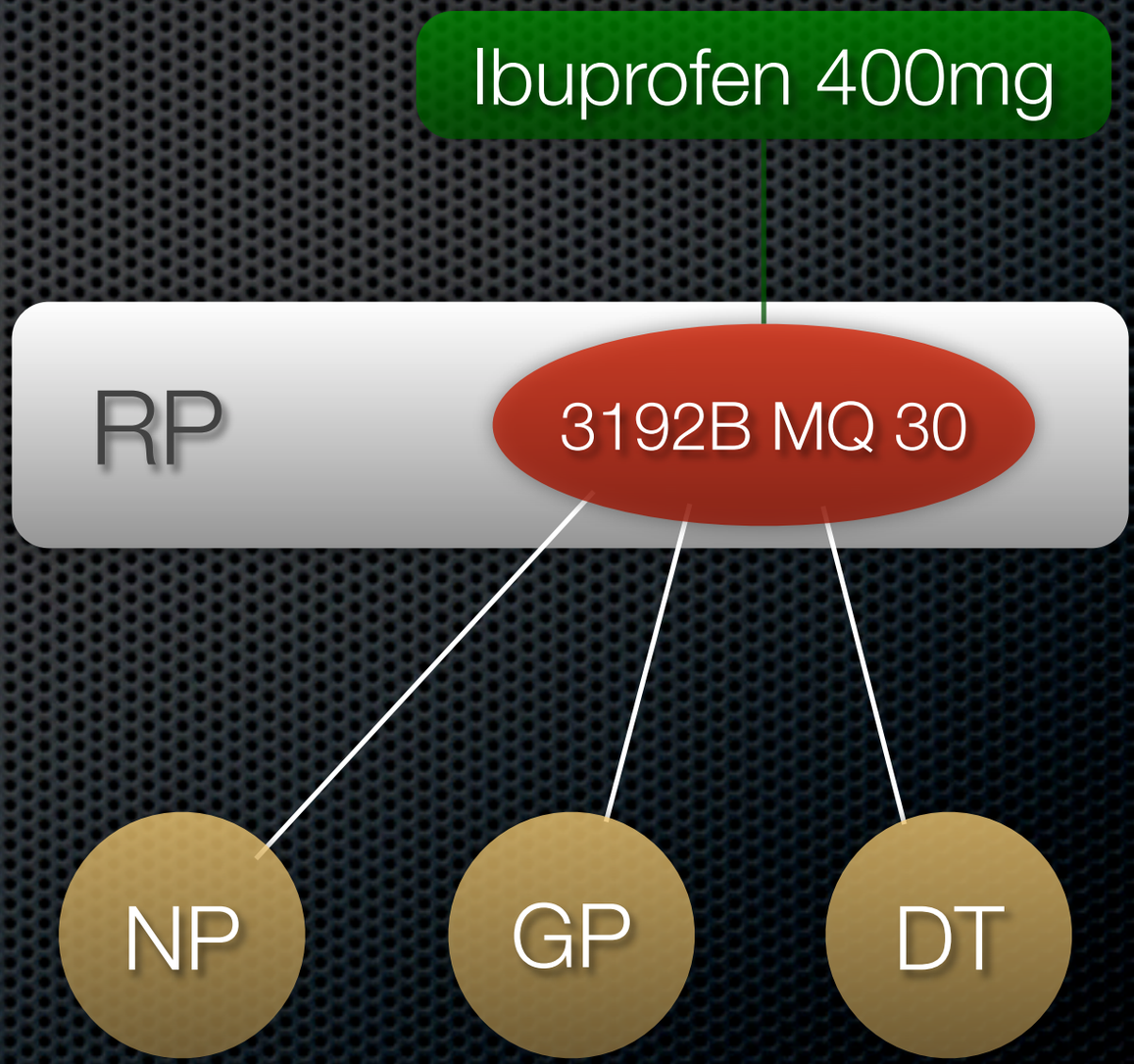


# Prescriber Groups

- New prescriber types will consume too many item codes
- New method to cater for many prescriber types

# Prescriber Groups

- Define group for each prescriber type
- PBS Item may be member of many groups



# Prescriber Groups

- Prescribing rules state their pricing model
- XSL stylesheet(s) will be available

# Prescriber Groups

- Transition
- Drug Types continue for existing groups
  - GE, DT, OT, PL
- New Prescriber Types defined as groups
  - NP, MW
- PBS XML v2.X will only use groups

# Prescriber Groups

- Example XML:

```
<pbs:unrestricted xml:id='LISTING-1016L'>
 <pbs:code>1016L</pbs:code>
 <pbs:item-reference xlink:href='#ITEM-1016L'/>
<pbs:maximum-quantity>5</pbs:maximum-quantity>
<pbs:number-repeats>1</pbs:number-repeats>
<pbs:member-of-list>
 <pbs:member-of xlink:href='#Medical-Practitioner'/>
 <pbs:member-of xlink:href='#Nurse-Practitioner'/>
</pbs:member-of-list>
<pbs:prices>
 ...
```

# Prescriber Groups

- Example XML:

<pbs:groups-list>
<pbs:group xml:id='Medical-Practitioner'>
<pbs:name>group:gp</pbs:name>
<pbs:label>Medical Practitioner</pbs:label>
<pbs:description>Medical Practitioner prescriber type</pbs:description>
<pbs:member-type>pbs:ready-prepared</pbs:member-type>
</pbs:group>

# Prescriber Groups

- Example XML:

```
<rdf:RDF>
  <skos:Concept rdf:about='#Medical-Practitioner'>
    <skos:definition>Medicare code for Medical Practitioner
prescriber type</skos:definition>
    <skos:prefLabel>M</skos:prefLabel>
  </skos:Concept>
```

# Prescriber Groups

- Schedule
- Transition: no schema changes necessary
- System changes in progress
- Sample data & XSL stylesheets: 17th Feb 2010
- Test data: July/August 2010
- NP+MW effective 1st November 2010

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# Highly Specialised Drugs

- HSDs to have new funding arrangement
- Administered via Medicare Australia
- Details not firm: still being negotiated
- Different pricing for Private Hospitals vs Public
- New Drug Type
- New items (about 240)

# Highly Specialised Drugs

- Existing codes for Private Hospitals
- New codes will be allocated for Public Hospitals

# Agenda

- PBS Number (Item Code)
- MPS Changes
- AMT Changes
- Forums and Workshops
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# PBS Number

- a.k.a. PBS Item Code
- 4 digit item codes exhausted in 2012-2013
- HSD needs ~240-300
- Code blocks almost exhausted
- Item code allocation will soon become random

# PBS Number

- However...
- Recovery of unused codes
  - pre-1987 (before electronic records)
  - de-listed
  - Cleared by MCA, DVA

# PBS Number

- Start with early code blocks (already filled)
- Review of GE block (1000-3200) yield 340 (339) codes
  - +1 year ⇒ 2014
- RPBS (4000-4999) block yield 120 codes
- Reviews of other blocks may yield ~150 codes
  - +1 year ⇒ 2015

# PBS Number

- PharmCIS will release 200 codes
  - +1 year ⇒ 2016
- New policy proposals may consume more codes

# PBS Number

- Timetable for introduction of 5 digit codes
  - PharmCIS
  - Testing
  - Coordinate with vendors & Medicare

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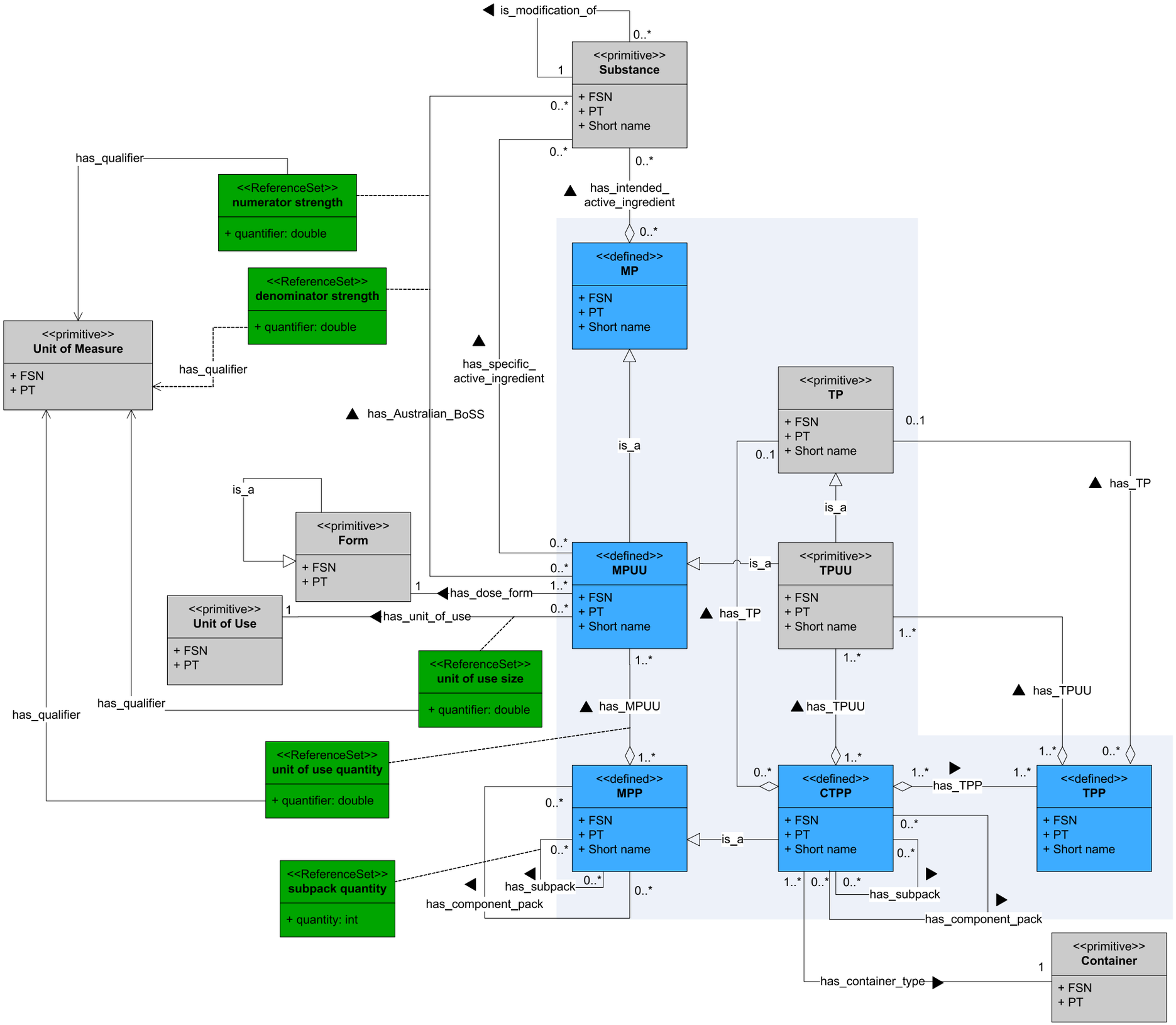
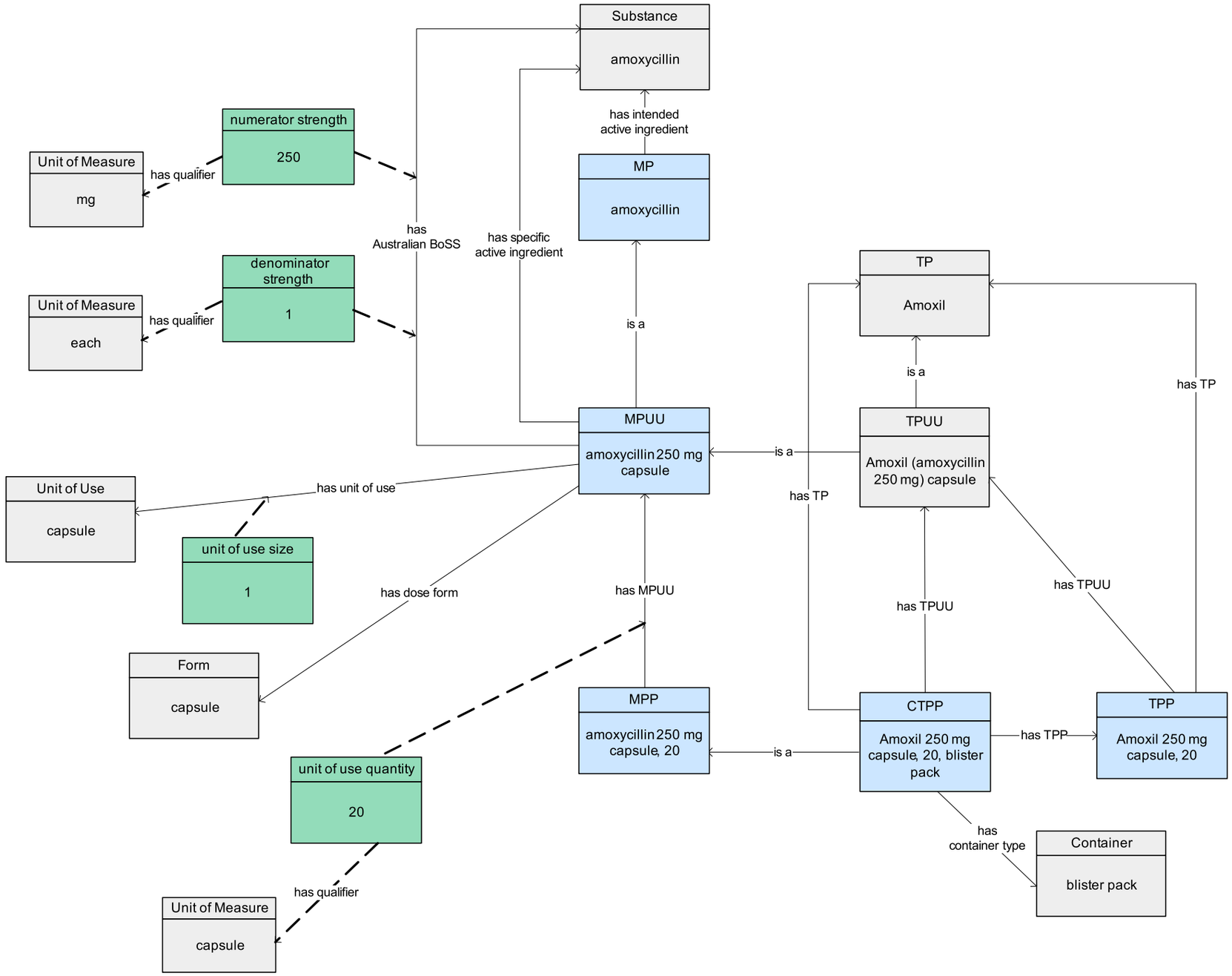
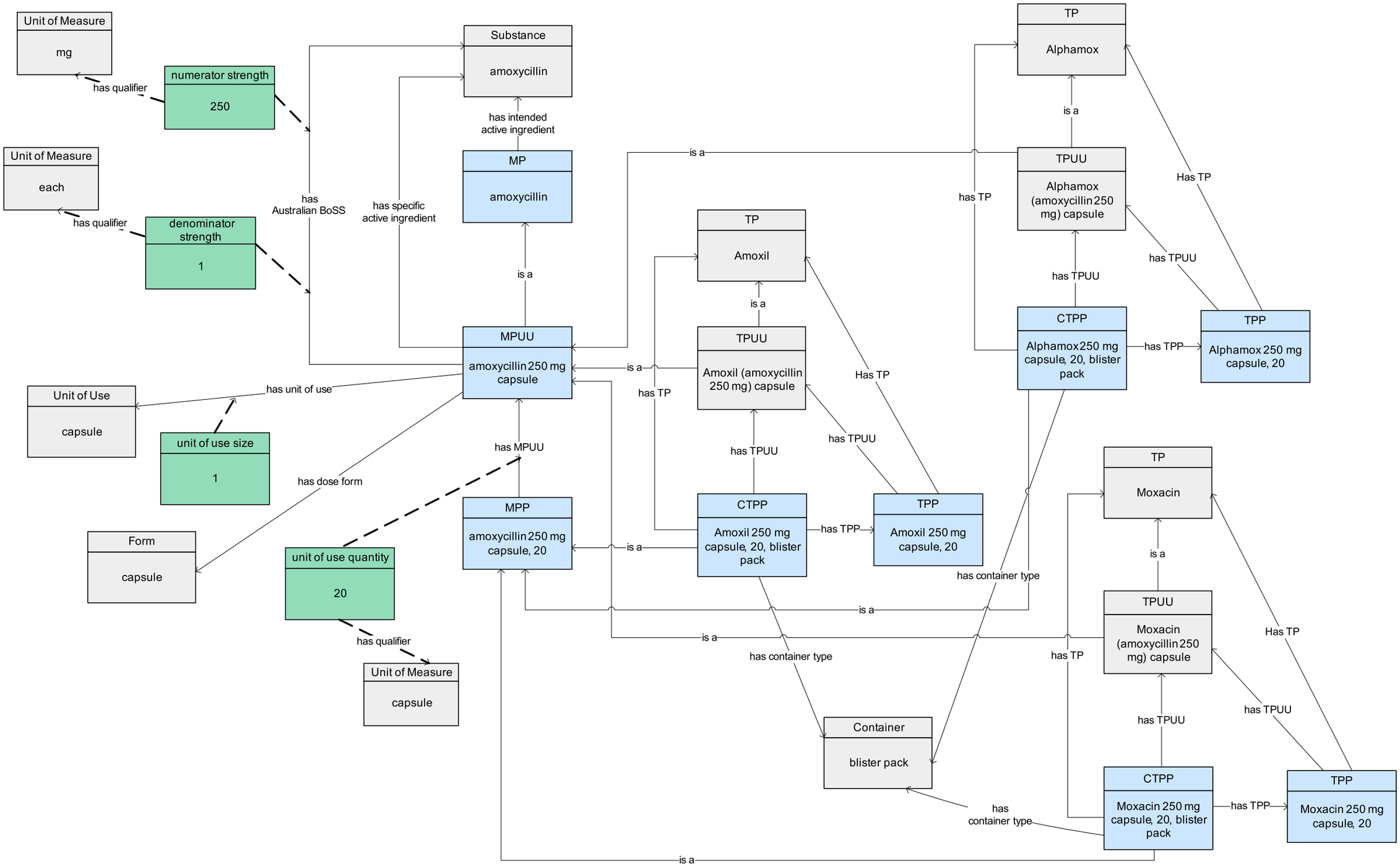


is_modification_of
0..*
1
<<primitive>>
Substance
+ FSN
+ PT
+ Short name
0..*
0..*
0..*
has_qualifier
<<ReferenceSet>>
numerator strength
+ quantifier: double
has_intended_
active_ingredient
0..*
<<defined>>
MP
+ FSN
+ PT
+ Short name
<<ReferenceSet>>
denominator strength
+ quantifier: double
<<primitive>>
Unit of Measure
+ FSN
+ PT
has_qualifier
has_specific_
active_ingredient
has_Australian_BoSS
<<primitive>>
TP
+ FSN
+ PT
+ Short name
0..1
0..1
is_a
is_a
has_TP
is_a
<<primitive>>
Form
+ FSN
+ PT
0..*
0..*
1..*
<<defined>>
MPUU
+ FSN
+ PT
+ Short name
is_a
<<primitive>>
TPUU
+ FSN
+ PT
+ Short name
1
has_dose_form
<<primitive>>
Unit of Use
+ FSN
+ PT
1
has_unit_of_use
0..*
has_TP
1..*
1..*
<<ReferenceSet>>
unit of use size
+ quantifier: double
has_qualifier
has_qualifier
has_MPUU
has_TPUU
has_TPUU
<<ReferenceSet>>
unit of use quantity
+ quantifier: double
1..*
1..*
1..*
0..*
0..*
<<defined>>
MPP
+ FSN
+ PT
+ Short name
<<defined>>
CTPP
+ FSN
+ PT
+ Short name
1..*
has_TPP
1..*
<<defined>>
TPP
+ FSN
+ PT
+ Short name
0..*
0..*
0..*
0..*
<<ReferenceSet>>
subpack quantity
+ quantity: int
has_subpack
0..*
has_component_pack
0..*
1..*
0..*
0..*
has_subpack
has_component_pack
<<primitive>>
Container
+ FSN
+ PT
1
has_container_type

# Amoxil


Substance
amoxycillin
has intended active ingredient
numerator strength
250
Unit of Measure
mg
has qualifier
has Australian BoSS
has specific active ingredient
MP
amoxycillin
denominator strength
1
Unit of Measure
each
has qualifier
is a
TP
Amoxil
is a
has TP
MPUU
amoxycillin 250 mg capsule
is a
TPUU
Amoxil (amoxycillin 250 mg) capsule
Unit of Use
capsule
has unit of use
unit of use size
1
has dose form
has MPUU
has TP
has TPUU
has TPUU
Form
capsule
MPP
amoxycillin 250 mg capsule, 20
CTPP
Amoxil 250 mg capsule, 20, blister pack
has TPP
TPP
Amoxil 250 mg capsule, 20
unit of use quantity
20
has container type
Container
blister pack
has qualifier
Unit of Measure
capsule

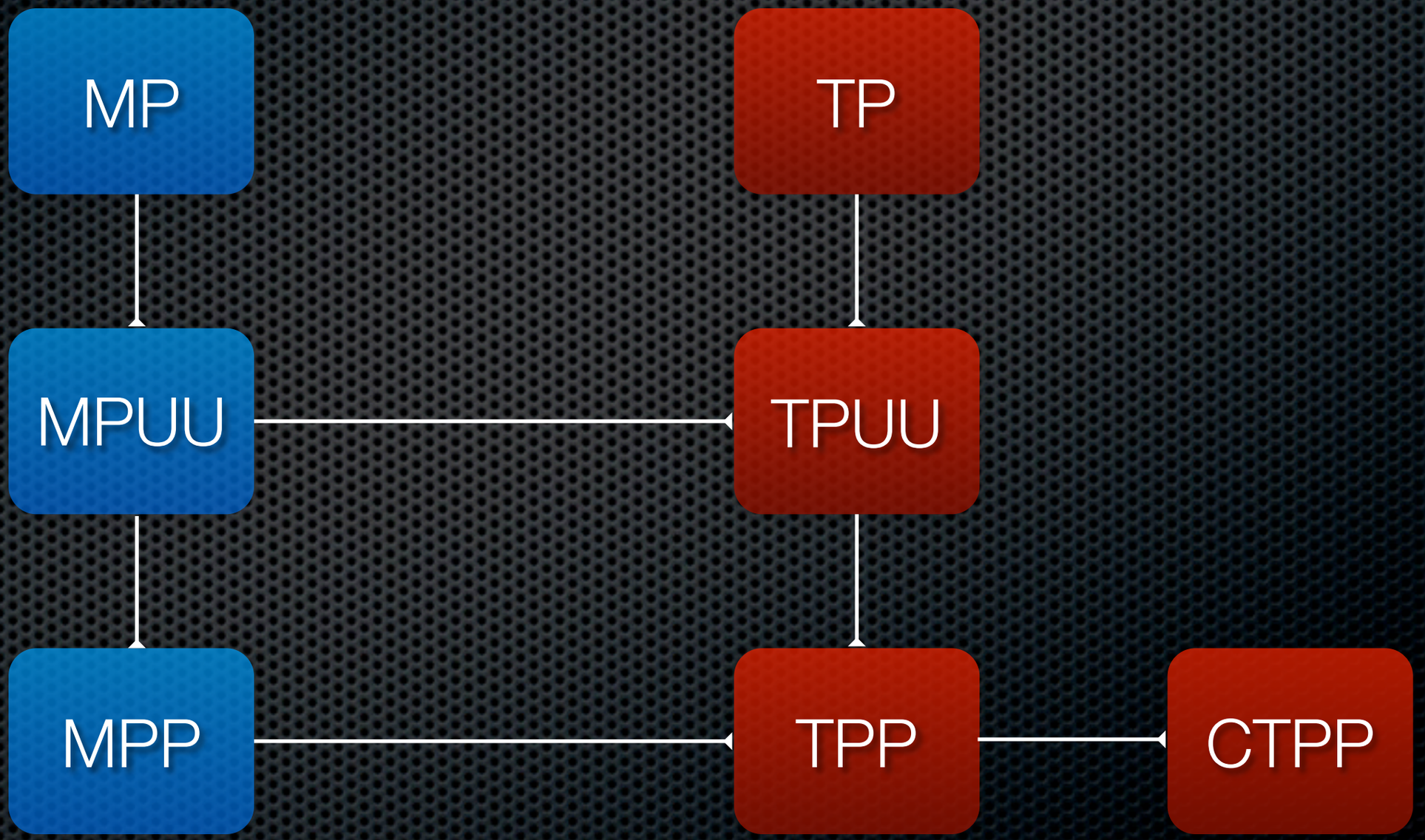
# Amoxil, Alphamox and Moxacin



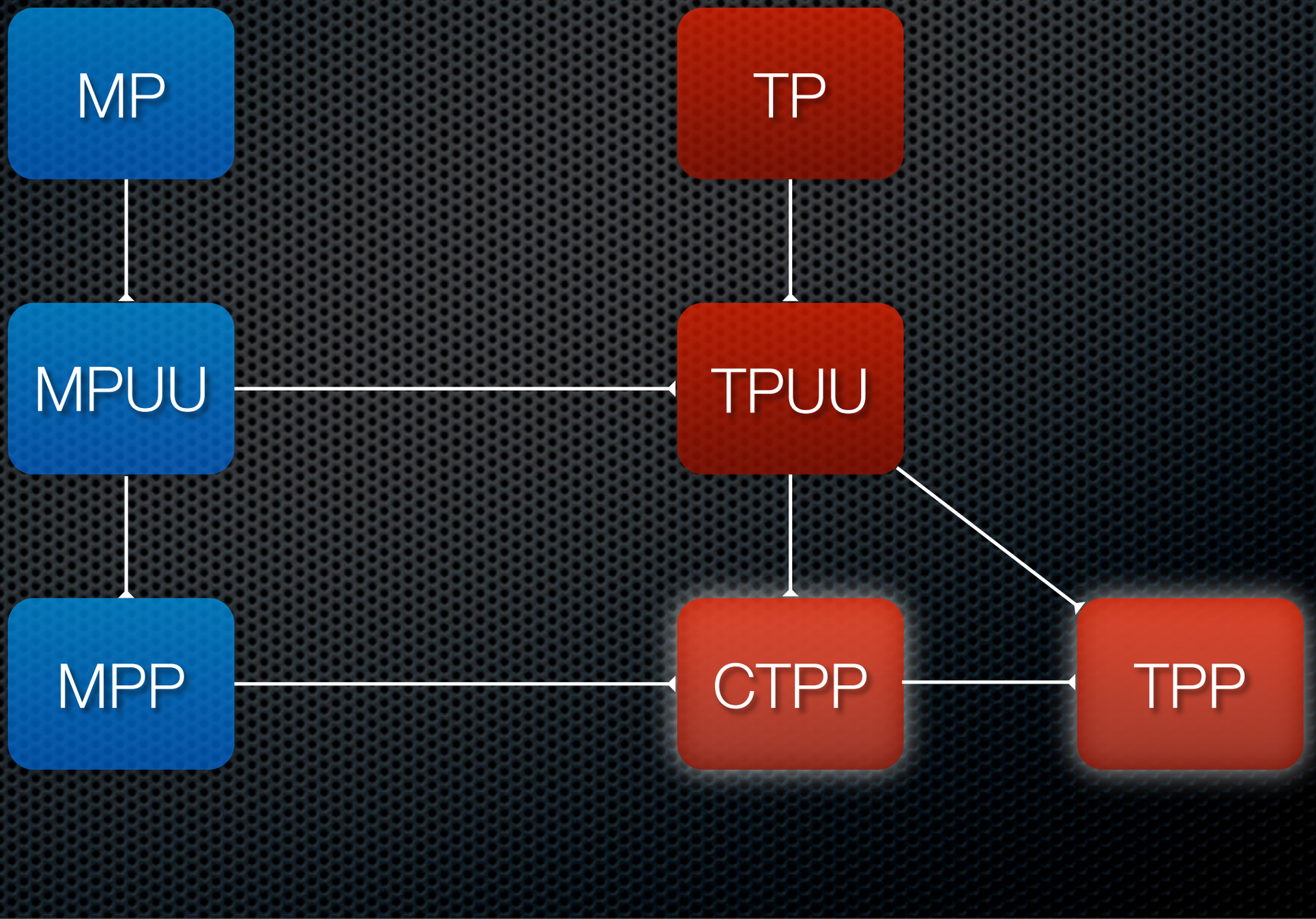
# AMT Changes

- Nehta propose a number of changes to the AMT
- One impact on PBS: CTPP relationship to TPP & MPP

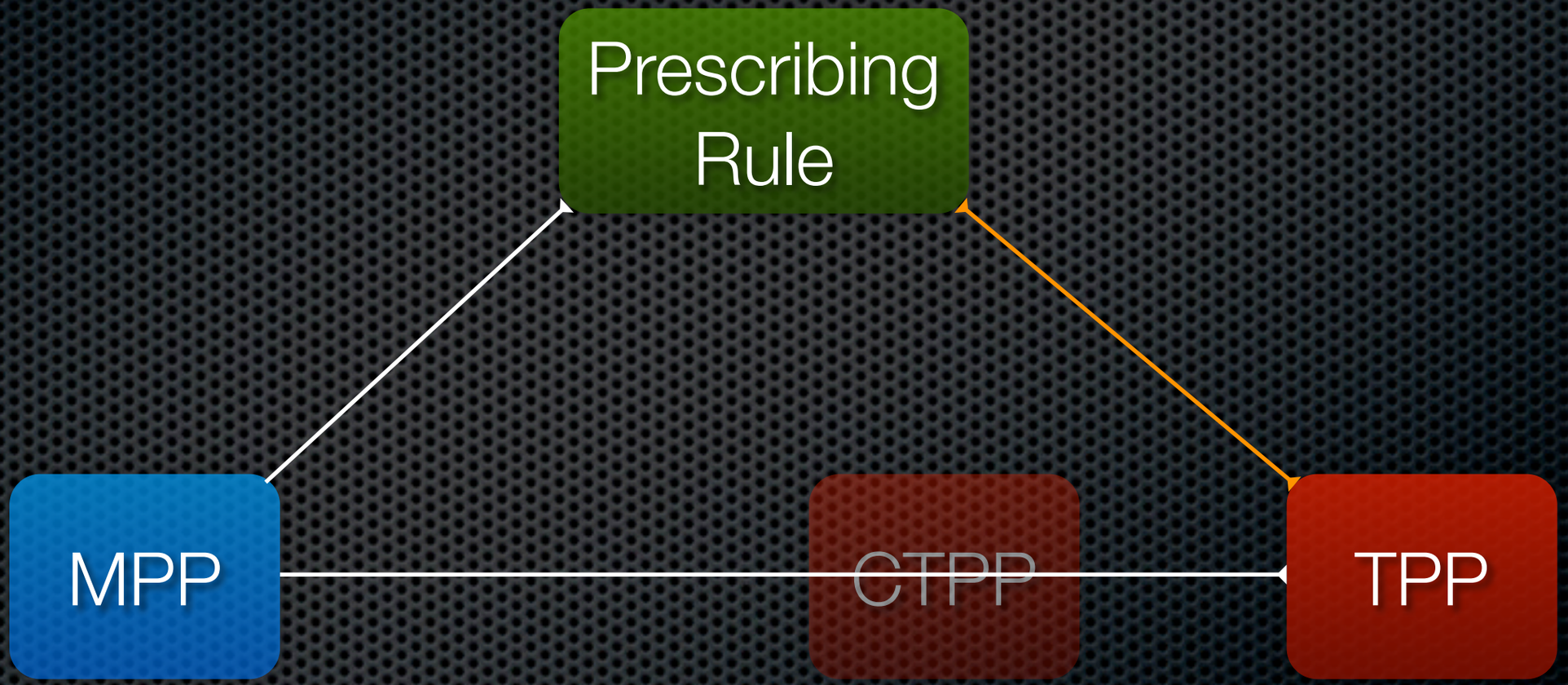
# AMT Changes



# AMT Changes



# AMT Changes



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# Forums and Workshops

- 1st PharmBiz Technical Workshop
  - 25th November 2009
  - Topic: Restrictions
  - Feedback

# Forums and Workshops

- Next Workshop
  - May/June 2010
  - Topic: ?

# Forums and Workshops

- Next Forum meeting
- August/September 2010

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