



# PBS XML Schema Version 2.1

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## History

- Version I.I.I December 2006
- Version I.3 May 2007
- Version 1.4 July 2007
- Version I.5 September 2007
- Version 2.0 (draft) November 2007
- Version 1.6 July 2008





#### Version 2.1

- PBS XML Schema v2.1
- Produced by PharmCIS
- Due mid-2009





### Release Schedule

- Notification: April 2008
- Draft: May 2008
- Final draft: June 2008
- Test data available: July/August 2008
- Production data: mid-2009





### Overview

- Namespace URI
- Prescribing Rules
- Drug modeling
- Summary of Changes



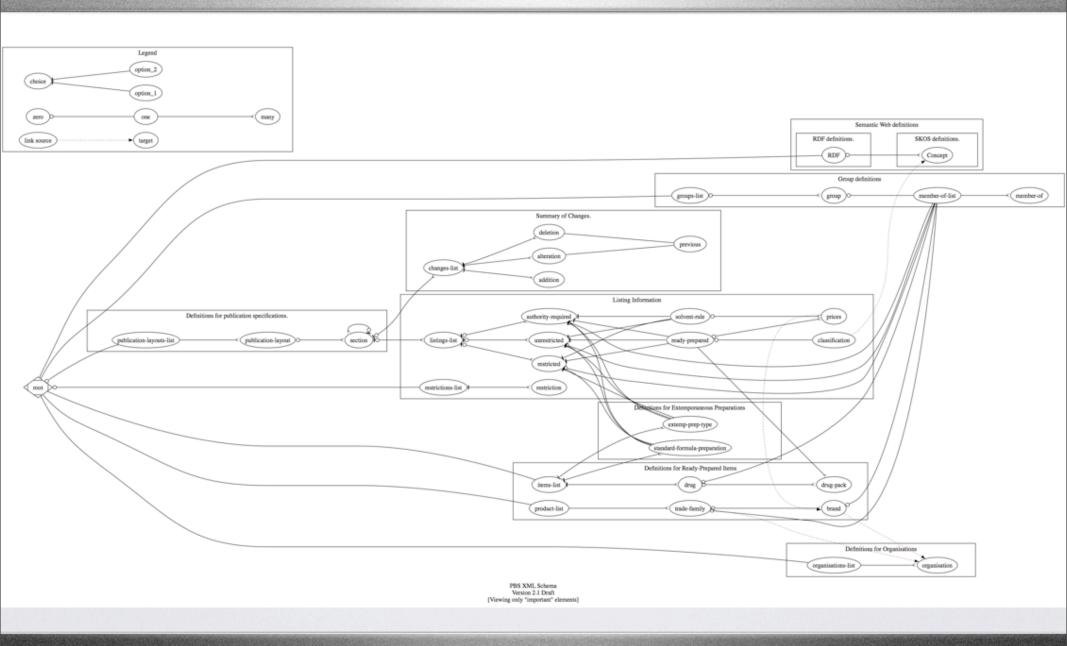


#### Overview

- Restrictions and Authorities
- Organisations and Responsible Person
- Groups











## XML Namespace

- New namespace URI
  - http://schema.pbs.gov.au
- Related namespace URIs
  - http://schema.pbs.gov.au/Change





# Prescribing Rules

- Has PBS Item Code
- Separate Extemp and solvents:
  - pbs:ready-prepared
  - pbs:solvent-rule
  - pbs:extemp-prep-type, pbs:standard-formulapreparation





# Prescribing Rules

- What product does a PR list?
  - Unit of use, or
  - A pack?
- Link to TPPs (pbs:brand) via pbs:prices
- Proposed: link to one-or-more MPPs (pbs:drug-pack)





# Prescribing Rules

- Notes and cautions are only attached to prescribing rules
  - Applications may need to group together for display





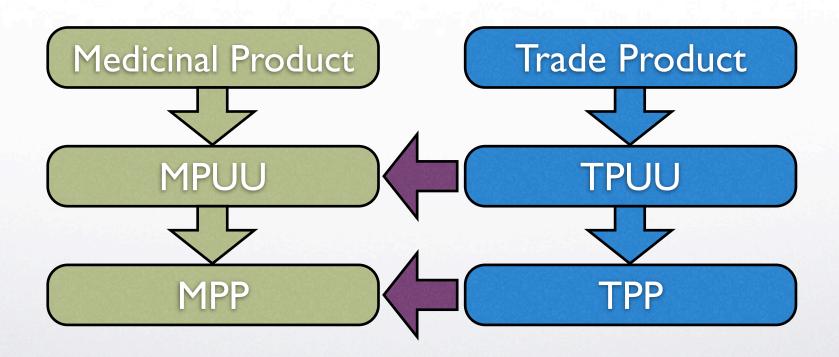
#### **AMT**

- PBS XML defines the PBS schedule
- XML has all data necessary to represent PBS schedule
- PBS XML recipient does not require AMT license
- XML has sufficient data to allow AMT to annotate





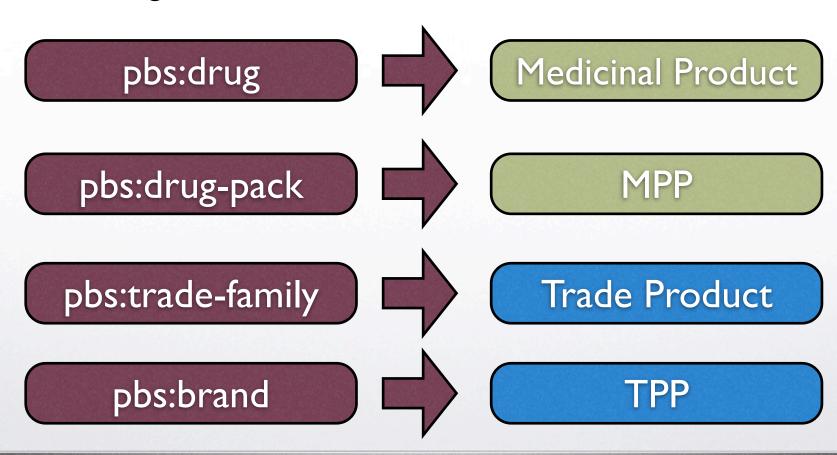
Nehta AMT logical data model







PBS alignment with Nehta AMT







- Generic = Medicinal Product (AP) = pbs:drug
- Medicinal Product Pack = pbs:drug-pack





- Brand name = Trade Product = pbs:tradefamily
- Item brand = Trade Product Pack = pbs:brand





- pbs:drug has code
- pbs:drug, pbs:drug-pack and pbs:brand will include AMT UUID
- pbs:drug, pbs:drug-pack, pbs:brand,
   pbs:trade-family have title/description
  - Usually is AMT Preferred Term
- Not all PBS Items will be in AMT





- Form and strength is text
- Form may be found in AMT
- pbs:brand (TPP) description will include pack size





## Summary of Changes

- Every change included
- Previous schedule's data included
  - Ensures this schedule is standalone
- pbs:addition
- pbs:alteration
- pbs:deletion





#### Additions

Link to new element





#### Deletions

 Includes data from previous schedule





#### Alterations

- Link to new
- Include previous data





#### Restrictions

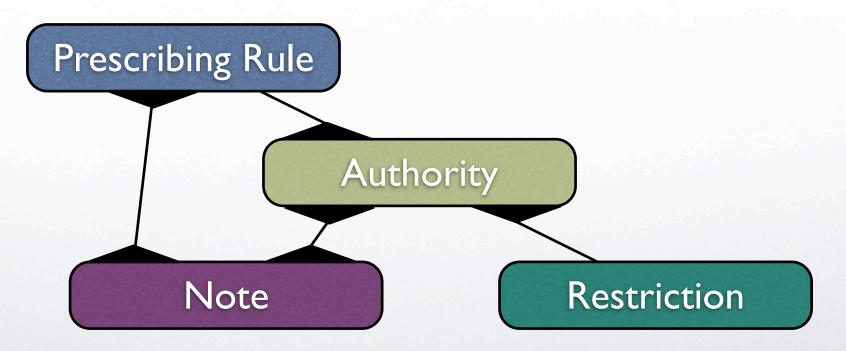
- Restrictions are now called pbs:restrictions
- Connected to PR via pbs:authority
- Split restriction text into purpose and administrative text
- Notes may be attached to pbs:authority





#### Restrictions

 Authority links restriction to prescribing rule







#### Authorities

- pbs:authority describes how to obtain an authority from Medicare Australia
- Often specified in text of restriction
- Moving towards specification as data
- Need to change granularity of restrictions





## Organisations

- No longer called "Manufacturers"
- Also have "Responsible Person"
  - Still have two letter code
- Identification of brands





- Groups specify a relationship between elements
- Relationship is not hierarchical
- Groups contain members
  - All members must be same type
- Member element expresses group membership





pbs:group





pbs:member-of





- Groups of groups
- Bioequivalence
- Formularies
- Price reference groups
- Dispensing fee types