Multi-homed Items

Evergreen needs to support the ability to attach a barcoded item to more than one bibliographic record. Use cases include:

1. Barcoded E-Readers with preloaded content
   ○ Readers would all be items attached to a single “master” bib record in the traditional way, through call numbers that define their ownership
   ○ Each reader, as a barcoded item, can be attached through Multi-homed Items to records describing the list of preloaded content
   ○ These attached Multi-homed Items can be added and removed as content is swapped out on each reader

2. Dual-language items
   ○ Cataloger decides which of several alternate languages is the primary, and attaches the barcoded item to that record in the traditional way
   ○ Alternate language records are attached to this item through Multi-homed Items

3. “Back-to-back” books -- two books printed upside down relative to one another, with two “front” covers
   ○ Cataloger decides which of the two titles is the primary, and attaches the barcoded item to that record in the traditional way
   ○ Alternate title record is attached to this item through Multi-homed Items

4. Bound Volumes -- Sets of individual works collected into a single barcoded package
   ○ Cataloger decides which of the titles is the primary (or creates a record for the collection as a whole), and attaches the barcoded item to that record in the traditional way

Remaining title records for the collected pieces are attached to this item through Multi-homed Items
To facilitate this we will create two new tables:

CREATE TABLE biblio.peer_type (  
id SERIAL PRIMARY KEY,  
name TEXT NOT NULL UNIQUE -- i18n
);

INSERT INTO biblio.peer_type (name) VALUES  
('Bound Volume'),  
('Bilingual'),  
('Back-to-back'),  
('Set');

CREATE TABLE biblio.peer_bib_copy_map (  
id SERIAL PRIMARY KEY,  
peer_type INT NOT NULL REFERENCES biblio.peer_type (id),  
peer_record BIGINT NOT NULL REFERENCES biblio.record_entry (id),  
target_copy BIGINT NOT NULL -- can't use fkey because of acp subtables
);

For integration and use:

- a UI in the holdings maintenance interface of primary records for adding and removing Multi-homed Items to items (perhaps mark-target-and-set, like vol transfer)
- a UI in the holdings maintenance interface of primary records for adding and removing items to bibs via Multi-homed Items (perhaps a pop-up “scan or enter a barcode” window)
- a UI, separate from the traditional item listing, showing items linked to a record via Multi-homed Items
- teach the search code to look at copies from linking to Multi-homed Items
- teach the copy count code to include linked copies in copy counts
- teach UIs (OPAC and Staff Client) to show items linked via Multi-homed Items
- teach UIs to link from items to all (other) bibs, primary or Peer
- teach the hold targetter to include copies from linked Multi-homed Items