Test Areas

- Test Areas
  - Web UI
    - Admin UI
    - Miscellaneous UI
    - Submission UI
    - Submission workflow
    - Authentication
    - Search and browse
  - Other functionality
    - OAI-PMH
    - Batch import/export
    - Media Filters
    - E-mail
    - Statistical reports
    - Checksum checker
  - Installation, Updating, Deployment
  - Under the bonnet/hood
    - Database platforms
    - Bitstream storage
    - Handle Server
    - Authorisation
    - Content API
    - Packagers, crosswalks

Test Areas

Web UI

- Accuracy and completeness of online help
  - Admin UI
    - Create new community
    - Create new sub-community
    - Create new collection
    - Create new e-people, groups
    - Edit items
    - Withdraw and reinstate items
    - Expunge items
    - Edit metadata registry (new DC fields, new schemas)
    - Edit bitstream format registry
    - Abort a workflow via admin UI
    - Authorisation (see Authorisation below)
    - Edit news on front page
    - Supervisors
    - Statistics (see statistics below)
  - Miscellaneous UI
    - Configure metadata fields to appear in simple item display
      - Default `<webui.itemdisplay.default = ...`
      - Per-collection `<webui.itemdisplay.style = ...` and `<webui.itemdisplay.style.collections = ...`.
    - HTML documents (see also: Submission UI)
    - RSS Feeds
    - Translations
    - My DSpace
    - View subscriptions (see also E-mail below)
    - View accepted submissions
    - Edit profile
    - OpenURL links
  - Submission UI
    - Creative commons licences
    - Switched on and off
    - Try using HTTP proxy via `http.proxy.host/port`
    - Single file
    - Multiple files
    - Upload HTML document (multiple files with primary bitstream)
    - Configure `input-forms.xml`
    - Recognised formats
    - Unrecognised format
    - Checksum verification
    - Licences (site default, per-collection)
  - Submission workflow
    - Collections with no workflow steps, or a combination
For each workflow step, test editing metadata
- Test accept and reject
- Controlled vocabulary

Authentication
- *under UI for now, since it's the only place it's currently used*
- Log in with simple username/password
- Register a new account
- Forgot password (see also: E-mail)
- LDAP server
- Shibboleth
- X509 certificate
- Logging out

Search and browse
- Configure columns in item lists (search results etc) using `webui.itemlist.columns` in `dspace.cfg`
- Browse communities and collections
- Browse titles, authors, subjects, by date
- With scope 'All of DSpace', in a community, in a sub-community, in a collection
- Configure date, author, title, subject by using `webui.browse.index.*` properties in `dspace.cfg`
- Try configuring a different analyzer (e.g. for Chinese)
- Basic and advanced search
  - Configure search fields (`search.index.*` in `dspace.cfg`)

Other functionality

OAI-PMH
- Validate using http://re.cs.uct.ac.za/ repository Explorer
- Extract METS, DIDL; ensure valid XML

Batch import/export
- Test import and export

Media Filters
- Thumbnail generation
- Full-text extraction and indexing
- Configure to support different bitstream formats

E-mail
- Configure an SMTP server that needs authentication, try sending mail (e.g. 'forgot password' mail)
- Send feedback using link in footer
- Get error alerts
- Test subscriptions (`subs-daily`)  

Statistical reports
- TODO

Checksum checker
- TODO

Installation, Updating, Deployment
- Test fresh install
- Test update from 1.3.2 with existing data + configuration
- Update customised/modified DSpace, find 'gotchas'
- See also Handle Server

Under the bonnet/hood

Database platforms
- Test fresh install, 1.3.2 -> 1.4 upgrade
- On PostgreSQL
- On Oracle (version numbers?)

Bitstream storage
- Multiple asset stores

Handle Server
- Install/update and test a 'live' Handle Server (connect to global)

Authorisation
- Default permissions (on submission)
- Remove read access, check access not possible (on bitstreams)
- Check unauthorised users cannot access admin UI, edit community/collection/item screens, submit
Content API
TODO

Packagers, crosswalks

- Need feedback on API
TODO