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/epository 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