Webtop and Webtop-Mx connector rough test plan

**Goal:**

1. Automation test case development
2. Cover Webtop APIs by cases
3. Manage scripts and maintain codes depositary

**Scope:**

Phase 1. Develop sanity test cases and add Libs at the same time *(new feature is risks*)

Phase 2. Run sanity test, develop full regression test cases on all APIs (*coverage need confirm, update is one of risks*)

Phase 3. Jenkins link for test on server, maintain codes

**Method:**

1. Base on released product build (*need confirm*)
2. Each single case cover as many as possible APIs
3. Develop cases on local and maintain on Git
4. Divide basic cases(Sanity check) and full APIs
5. Run sanity check and full regression test in weeks (*depend on one or two resources*)

**Currently we have:**

1. Robotframework as the test cases driven tool
2. The 3rd party python package(requests) used for http transfer
3. A simple webtop API document(only cover part of the webtop apis)

**What we don’t have:**

1. Get the detailed webtop api list (if developer can’t give such list, we need manually search all apis, see point2)
2. Standard product, released build is needed.
3. API update notes
4. Code structure and source code management depositary
5. Library used for cover all webtop apis (including User Service, Preference Service, Mail Service, Addressbook Service…)
6. Integrate test suite into Jenkins

**Rough estimation:**

Depends on how many resources engage in, and the percentage of webtop APIs we need to cover. Also depends on how often it will be updated.

**Risk**

1. Testing scope: The amount of webtop APIs is not clear by now
2. New features and updated API
3. API data update, data format update (like XML update to Json)
4. Other urgent task to complete for QA