



12th September 2019

## **NOTIFICATION: DSB UAT Inter-Region Disaster Recovery Testing**

**Audience: All DSB Users**

### **Notification details:**

The purpose of this notification is to advise users of the following:

- Announcement of the DSB UAT Inter-Region Disaster Recovery Testing exercise schedule
- UAT Inter-Region DR environment (UAT-DR) availability to all DSB users.

### **Background:**

The DSB infrastructure is highly-available spanning 3 active data centres in a hot-hot-hot configuration, however ongoing consultation with the TAC ([here](#)) has resulted in the DSB proposing an Inter-Region DR test with users. This program will incorporate a number of Phases, beginning with work to ensure all client types can route to and integrate with the DSB UAT-DR site situated in the North America (NA) region.

Please refer to the high level approach documentation of the DSB UAT-DR Testing [here](#).

**UAT-DR Phase 1 (Connectivity: Client preparation in Secondary Region):**

- The DSB will provide all relevant DSB UAT-DR environment details to participating clients-to perform network connectivity tests (via the registration forms).
- Ensures all user types can route and connect to the DSB UAT-DR site situated in the NA region successfully at a basic network level.
- The registration forms will made be available on the DSB website ([here](#)), Please note that users who wish to participate must have an existing UAT account.

**UAT-DR Phase 2 (Application: Client preparation in Secondary Region):**

- Participating clients performing functionality tests at this phase will be activated & advised of credentials by Technical Support for use in the UAT-DR environment. Participating clients with an API access must have passed the Phase 1 connectivity test.
- Ensures all user types can perform relevant DSB ISIN functions applicable to their user category (programmatic FIX, programmatic ReST, GUI access) in the UAT-DR.
- UAT-DR registration will still continue during this timeline.
- Similarly to the creation of the [DSB UAT2](#) environment, the UAT-DR environment will be initialised with an empty ISIN database. ISINs produced for testing in this environment will be separate from those in the existing primary UAT.


### **UAT-DR Phase 3 (Failover - dates to be confirmed):**

*Subject to review and validation of Phases 1 and 2, with actual dates to be announced later.*

- The current live UAT environment (FIX, ReST & GUI endpoints) will be failed over to the infrastructure in the secondary region (UAT-DR in phases 1 & 2) for an 8 week period.
  - FIX endpoints: fix-uat.anna-dsb.com/fix1-uat.anna-dsb.com
  - ReST/GUI endpoints: uat.anna-dsb.com
- Prior to the failover, the UAT-DR database will be cleared of test data and placed into synchronisation with the Primary UAT in EU.
- Fallback will occur after this 8 week period.
- Full documentation regarding this Phase will be provided in an upcoming notification.
- Please note, the Primary EU UAT environment will be completely unavailable during these timeline to ensure valid DR invocation.

### **Timelines:**

- All UAT-DR forms will be available [here](#) on the ANNA-DSB website from the **16th September 2019**.
- API Users may submit UAT-DR forms starting from **16th September 2019** and Technical Support will process their application within 5 working days.
- Phase 1 is scheduled to Run for 4 weeks beginning **23rd September 2019** to **20th October 2019**.
- Phase 2 is scheduled to Run for 3 weeks beginning **21st October 2019** to **10th November 2019**.
- Phase 3 is not currently scheduled. An announcement regarding the dates for this phase will be made a later date.



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