DERIVATIVES SERVICE BUREAU

TECHNOLOGY ADVISORY COMMITTEE

2026 – MEETING 1

25 March 2026

MEMBER FINAL

Agenda

- **Governance**
  - Competition Law Reminder
  - Roll Call
  - Action Update

- **Existing Topics**
  - UPI Adoption Update
  - Industry Consultation Update
  - 2026 POAP
  - Upcoming DSB Releases
  - Disaster Recovery Testing
  - Global Agile Architecture
  - Acceptable Use Policy Breaches

- **New Topics**
  - DSB Release Scope & Planning
  - Reminder – Weekend Environment Downtime
  - File Download Breaking Change

- **Cyber Security**
  - Security Operations Centre

- **AOB**

- **Appendices**
  - A - TAC Committee Members
  - B - Meeting Schedule
  - C - Bulletin Board Items
  - D - Annual Checklists
  - E – Actions
  - F – DSB Change Process

Governance I of IV - Competition Law Reminder I of II

The purpose of this protocol is to remind attendees of Derivatives Service Bureau (DSB) Limited ("DSB") Technology Advisory Committee, that all discussions at such meetings are subject to the application of EU, UK and other applicable national competition law ("Competition Law").

Individual attendees are responsible for observing the requirements of Competition Law and should make themselves familiar with their legal obligations and their own organization policies.

The DSB is committed to compliance with Competition Law and advises that TAC participants follow the guidance set out below in order to ensure that all meetings remain in compliance with Competition Law.

1. A meeting agenda will be circulated in advance of a meeting. Any objections to, or potential concerns about, the proposed agenda in relation to Competition Law compliance should be raised prior to the meeting if practicable

2. Attendees must stick to the prepared agenda during the meeting and avoid discussion about other topics

3. Attendees must not seek, discuss, communicate or exchange any commercially or other business sensitive information about their organization or relating to competitors (whether before, during or after meetings). This includes, for example, any non-public information relating to prices, costs, revenues, business plans/marketing activities, individual terms and conditions, risk appetite or any other information which is likely to reduce strategic uncertainty in the market (i.e. which might result in less intensive competition than would normally occur)

4. Attendees must not reach any sort of agreement or understanding that is unlawful due to competition law (e.g. unlawful horizontal agreement, unlawful vertical agreement)

5. The TAC Secretariat will take minutes of the meeting, and supply these to each attendee in due course.

6. If the Chair considers that a discussion at the meeting may be inappropriate from a Competition Law perspective, he or she shall raise an objection and promptly bring that part of the discussion to an end. If another attendee, or the DDO, is concerned about a discussion from a Competition Law perspective, he or she shall bring it to the attention of the Chair, who will promptly bring that part of the discussion to an end. If other attendees attempt to continue that discussion, the Chair shall bring the meeting to an end. Every attendee is allowed to immediately leave the meeting in such situations. All such situations must be properly recorded in the minutes.

7. The minutes of the meeting must subsequently be read and approved by the attendees. If any matter discussed is not recorded in the minutes, or is recorded incorrectly, any attendee may raise an objection in writing and request an amendment.

8. Similar principles should be observed for any group email exchanges or other online group discussions operated by DSB, including those pertaining to TAC matters.

We remind attendees that breaching Competition Law has serious potential consequences for them as individuals and their organizations. Such consequences may include heavy fines, liability to pay compensation to affected individuals and businesses and, in certain cases, the imposition of criminal penalties, director disqualification orders and disciplinary action.

# Governance I of IV – Roll Call

The DDO will undertake the roll call.

(note – member change pending confirmation from CFTC – Anders Robert S)
Member Change

Governance I of IV – Action Update

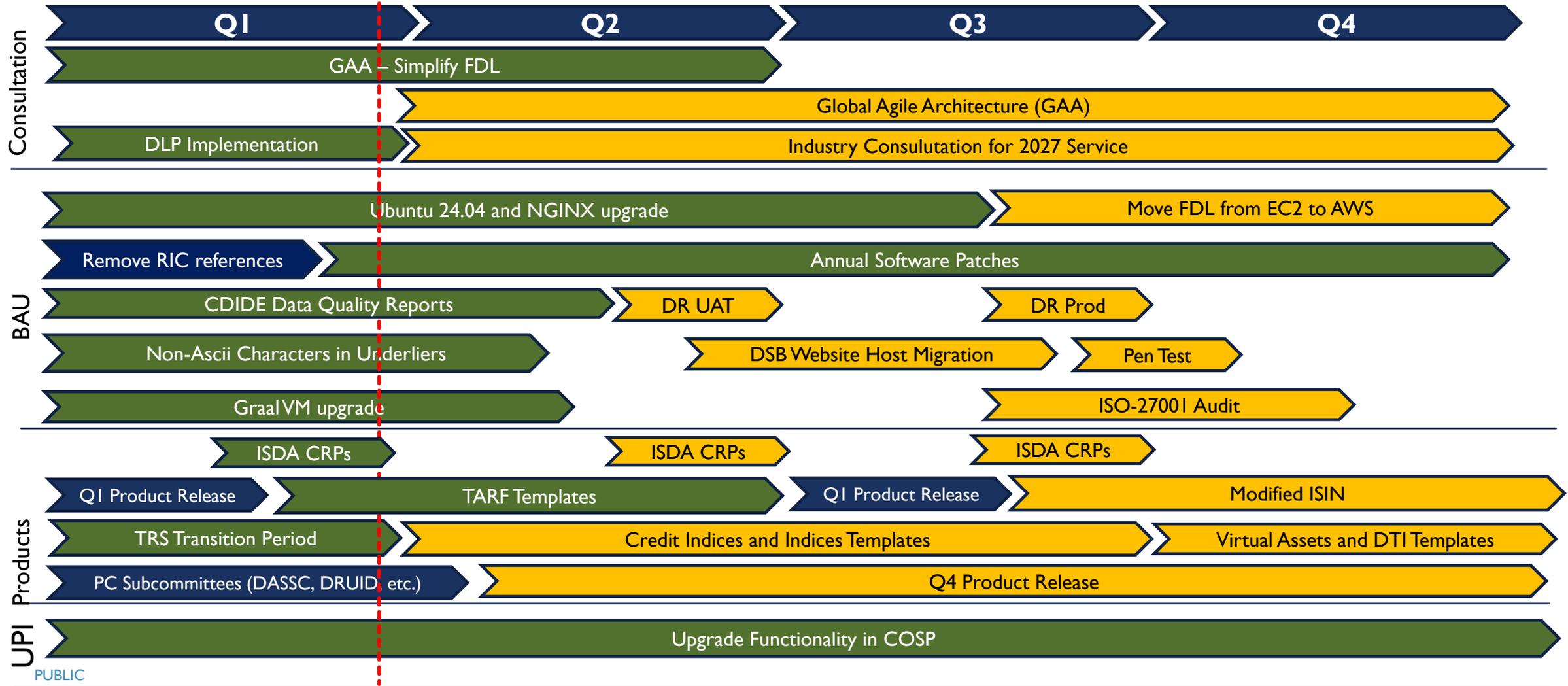| Action	Description	Update	Slide#
2503-004	TAC Secretariate to formalise the in-meeting voting process	In Progress	
2510-001	AUP Breaches - AB (DSB) to compile and share additional pre-processing options for Proposal 1.	Completed	14-20
2510–002	AUP Breaches - AB (DSB) to develop cost estimates with the DSB team for Proposal 1.	Completed	14-20
2510–003	AUP Breaches - AB (DSB) to consult with the TAC via the Bulletin Board to align understanding before gathering effort and cost estimates for Proposal 2	Completed	14-20
2510–004	AUP Breaches - AB (DSB) to investigate the feasibility of targeted outreach for Proposal 3.	Completed	14-20
2510–005	DSB to explore additional forums for communicating upcoming changes.	Completed	21
2510–006	DSB to draft and post a proposal re DSB Release Scope & Planning, on the Bulletin Board for feedback before year-end.	Completed	21
2510–007	All TAC members to review the charter and provide feedback at the March 2026 meeting.	In Progress	
2510–008	TAC members to provide any further thoughts on AI use cases to the DSB.	In Progress	
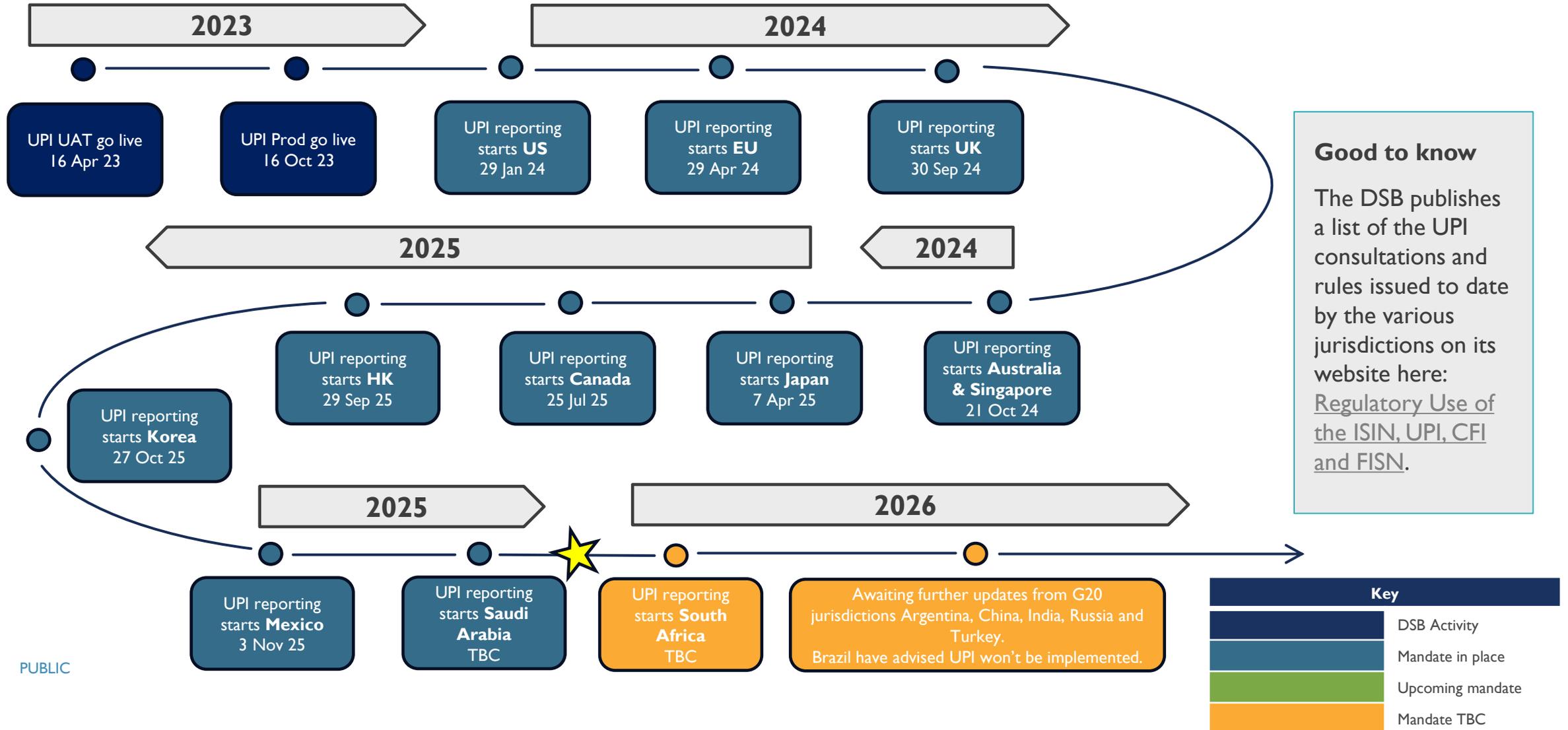
Existing Topics - Industry Consultation Update

The DSB will be undertaking its annual industry consultation exercise for 2026 for the 2027 OTC ISIN and UPI service proposition. This year the DSB will be focusing on understanding how the userbase uses DSB Data, revisiting topics such as the consumption and distribution of data from the 2025 consultation. The timeline for this year's consultation is below. A verbal update on the status will be provided in the meeting.

Milestone	Date
Publication of DSB OTC ISIN, UPI and CFI Consultation Paper (CP)	Thu 30 Apr 2026
DSB Annual Industry Consultation Overview Webinar	Thu 14 May 2026
Industry feedback period on the CP	Thu 30 Apr – Fri 29 May 2026
DSB TAC Industry Consultation Meeting	Wed 17 Jun 2026
Final Consultation Report publication	Tues 21 Jul 2026
2026 Draft User Agreement (UA) publication	Tues 4 Aug 2026
Deadline for industry feedback on proposed UA changes	Thu 27 Aug 2026
2026 Final User Agreement (UA) publication	Thu 24 Sep 2026
User termination deadline	Thu 1 Oct 2026
Annual User fee determination for 2026	Fri 2 Oct 2026
2026 User fees published	Wed 7 Oct 2026

We would like to ask the TAC if there are any topics they would like to be included in the 2026 survey. If there are then please email the details across to the TAC Secretariat.

Existing Topics - 2026 Plan on a Page

Consultation

Q1	Q2	Q3	Q4

GAA – Simplify FDL

Global Agile Architecture (GAA)

DLP Implementation

Industry Consultation for 2027 Service

BAU

Ubuntu 24.04 and NGINX upgrade

Move FDL from EC2 to AWS

Remove RIC references

Annual Software Patches

CDIDE Data Quality Reports

DR UAT

DR Prod

Non-Ascii Characters in Underliers

DSB Website Host Migration

Pen Test

Graal VM upgrade

ISO-27001 Audit

Products

ISDA CRPs

ISDA CRPs

ISDA CRPs

Q1 Product Release

TARF Templates

Q1 Product Release

Modified ISIN

TRS Transition Period

Credit Indices and Indices Templates

Virtual Assets and DTI Templates

PC Subcommittees (DASSC, DRUID, etc.)

Q4 Product Release

UPI

Upgrade Functionality in COSP

PUBLIC

Key: Complete | In Flight | Pending

Existing Topics - Upcoming DSB Releases

Title	Description	UAT	Prod	Breaking Y/N
TRS Transition Period	Removal of TRS enumerations from existing templates.	Done	28 Mar 2026	Y
ISDA CRP Q1 Release	Addition of 180 new Commodity Reference Prices.	29 Mar 2026	28 Mar 2026	N
Non-Ascii Characters	Rules to incorporate Non-Ascii Characters in underliers.	10 May 2026	30 May 2026	N
CFI 2021 Template Updates	Addition of CFI 2021 values to existing templates, to create CFI 2021 products.	31 May 2026	27 Jun 2026	N
TARF Templates	Creation of new templates to support TARFs.	31 May 2026	27 Jun 2026	N
ISDA CRP Q2 Release	Addition of 233 new Commodity Reference Prices.	30 Jun 2026	29 Jun 2026	N

DSB Release Notes Page: https://www.anna-dsb.com/release-notes/

Existing Topics – Disaster Recovery Testing

Background

The DSB undertakes annual Disaster Recovery (DR) testing against both the Production and UAT environments. This involves bringing down the primary region and failing over to the secondary region and running DSB services from there. This enables the DSB to demonstrate that the loss of the primary region can be recovered by starting up the services in the secondary region within an agreed recovery time objective.

2025 Test Results
The results of the 2025 Disaster Recovery tests are available in Appendix D3 – Disaster Recovery Testing II of II (slide 36).

2026 Testing
Planning for Disaster Recovery testing is underway for 2026 and below is the approach the DSB will taking:

- **UAT** – **Saturday 6 June 2026 to Sunday 7 June 2026**
This test will be carried out over a weekend where the DSB will failover on a Saturday to the secondary region and users will have 12 hours of testing before the DSB fails back to the primary region on the Sunday.
Please note: Failover will be outside of the UAT downtime window.

- **Production – Saturday 5 September 2026 to Saturday 19 September 2026**
The test will be an extended test whereby the DSB will failover during our downtime window to our secondary region and run for a two-week duration prior to failing back to the primary region again during the downtime window.

Existing Topics – Global Agile Architecture I of II

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March 2026 Update

- The subcommittee has met twice since the last TAC meeting

Current Topics

- ***FDL Generation Redesign***
  - Delta Files
    - UAT: ISIN - 22 Mar 2026; UPI – 05 Apr 2026
    - UAT2/PROD: ISIN 10/11 Apr 2026; UPI 24/25 Apr 2026
  - Snapshot files will follow on from the delivery of the delta files

- ***Atlas Migration – Atlas Search***
  - Working directly with MongoDB to resolve an issue with indexing the CFI data which is preventing the conversion

- ***FIX & ReST API Gateways***
  - Design presented to the subcommittee and will be factored into the future proposal (see next slide)

- ***FDL Access & Storage***
  - Design presented to the subcommittee
  - Breaking change notification to be raised covering a number of FDL related topics (see slides 23/24)

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Decision Point

The GAA subcommittee met in December and again in March where the discussion point topic was discussed. The March meeting reviewed the key findings from December and then reviewed four possible options. A recommended option was then discussed and this has led to the subcommittee's recommendation being presented to the TAC today which is as follows:

Over the next two years the GAA will implement the following five-point plan:

1. *Introduction of a new backup of tooling and data to a non hyperscaler region outside of AWS*
2. *Change the existing model from active-passive to active-active using the existing regions*
3. *Change the model from two AWS regions to three, adding an Asia region**
4. *Review the current region usage in AWS, particularly the use of US-East-1*
5. *Move to European AWS Sovereign Cloud*

The plan will be actioned under the existing GAA programme, with no additional funding being requested from the DSB Board.

TAC Decision: Do the TAC members agree to present the above recommendation from the Global Agile Architecture subcommittee to the DSB Board for approval?

*This is expected to be undertaken at no increase in costs, other than the AWS regional price differences between the current regions being used and the selected region in Asia.

Background

- 2025 DSB Annual Consultation Report [1] proposed new approach for managing AUP breaches
- Power & Search-Only API users exceeding limits >3 times per quarter → pro-rated licence fee
- Objective: Fair cost recovery + reduce effort required to handle repeated breaches
- AUP thresholds protect system performance and ensure users can meet regulatory obligations

TAC Feedback (16 June 2025 meeting)
- Requested further clarity on:
  - Enforcement mechanisms (incl. suspension/disconnection)
  - Definitions of breach types
  - Formal documentation for schemas + message formatting
- DSB provided follow-up document on 12 Aug 2025

[1] https://www.anna-dsb.com/2026-otc-isin-upi-and-cfi-service-provision-consultation/

Key Information Provided to TAC

Enforcement Mechanisms
- Weekly issuance of Minor/Moderate breach notices
- AUP allows suspension/termination (Moderate/Severe breaches)
- Only exercised once in eight years (GUI user causing significant system risk)
- Caution applied to avoid disrupting regulatory compliance

Breach Type Definitions
- Most breaches triggered by invalid submissions:
    - Incorrect data (e.g., invalid identifiers)
    - Incorrect syntax (e.g., leading spaces)
- Analysis showed these categories materially drive breach volumes

Documentation
- Links shared to:
    - GitHub JSON schemas
    - Product definition normalisation rules
    - Full formatting and schema-compliance guidance

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Actions for DSB (from Oct 2025 TAC Meeting)

1) Compile and share additional pre-processing options beyond trimming spaces
   • Include cost estimates for implementing trimming
2) Assess reclassification of data-related issues (e.g., invalid ISINs)
   • Potentially count toward Create/Search limits instead of Invalid Messages
3) Explore targeted outreach to users
   • Encourage pre-validation checks on user data
4) Investigate cost of enhancing response messages
   • Aim: help users' self-correct and reduce repeat errors

The following slides set out the detailed analysis and conclusions for each of the points outlined above.

1) Analysis undertaken to address the request to compile and share additional pre-processing options beyond trimming spaces. All 400 – Bad Request responses from 2025 logs were extracted for analysis:

Errors identified	Number of records	Notes
Underlier ISIN with leading space	5,868	99% submitted by 1 user in H1 2025, 0 occurrences in H2 2025 suggesting their issue was resolved
Underlier ISIN with trailing space	13	Submitted by 4 users
ISINs with "_unused" appended	549	
ISINs with "old" appended	2,258,484	99.9% submitted by 1 user
Cases where one underlier ISIN required but multiple provided	5,498	Majority submitted by 1 user
Invalid expiry date formats	10,054	E.g. 202025-08-09
Missing expiry dates	2,253	

Conclusion - Beyond trimming leading/trailing spaces, the DSB conclude that it is not reasonable to implement pre-processing for these other error types, as they involve incorrect data, invalid formatting, or user-specific conventions, rather than systematic or predictable input issues.

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2) Assess reclassification of data-related issues (e.g., invalid ISINs) to reduce noise in breach reports
   • Potentially count toward Create/Search limits instead of Invalid Messages

A TAC member proposed that if a user submits an identifier but fails validation (for example, an ISIN with an incorrect checksum), the message should count towards the user's create/search limits, rather than being treated as an invalid message.

Analysis of the error messages identified 3 that could be treated as in-scope for including in the user's create/search limits:
1) ISINs must be unique (e.g. Near Leg and Far Leg ISINs must not be identical
2) ISINs must be valid (e.g. checksum should be correct)
3) Value not found in an enumeration list (e.g. underlier not a valid Commodity Reference Price)

One month of AUP breach reports reviewed to assess impact –
• Each failure categorised as either:
   • Data error (one of the types above) or
   • Syntax error (structural message issues).
• For each user, data error creates and searches were added to their respective totals to test whether reclassification would push users over create/search thresholds.

Conclusion:
• No users exceeded create or search limits when errors were reclassified – these limits are much higher than invalid message limits
• Caveat: analysis covered one month only; reviewing all 2025 data would be disproportionately resource intensive.

3) Explore targeted outreach to users
- Encourage pre-validation checks on user data

The DSB already provides users who breach AUP limits with more detailed, targeted information on their breaches upon request, following the initial breach notification. To further encourage users to implement pre-validation checks before submitting messages, the DSB could include guidance in breach communications and in the Rules of Engagement documentation highlighting the availability of free JSON schema validation tools (or equivalent). These tools allow users to validate message structure and content before sending them to the DSB, reducing avoidable data-quality issues and AUP breaches.

Implementing this would require minimal effort, as the information could be added once to the standard breach-notification email and incorporated as part of the annual review of the Rules of Engagement documentation.

4) Investigate cost of enhancing response messages
- Aim: help users self-correct and reduce repeat errors

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	Delivery Estimates	Cost
1	Effort to trim leading and trailing spaces for underliers e.g. underlier ISINs.	€22k*
2	Effort to update classification logic so that invalid data (e.g. incorrect ISINs) is counted toward Create/Search limits rather than being categorised as Invalid Messages.	€36k*
3	Explore targeted outreach to users e.g. Encourage pre-validation checks on user data	€0
4	Effort to improve response messages to make errors clearer and more actionable e.g. "Underlier ISIN does not begin with a valid ISIN prefix as per ISO 3166" instead of "ISIN/s must be valid	€24k*
	Total	€82k*

Does the TAC want these items included in the 2026 Industry Consultation for potential implementation in 2027? Please advise if any refinements or conditions should be applied before they are put forward.

In addition, guidance is needed on how to respond if, after implementation, users continue to breach the limits. For example, last year's industry consultation proposed that any Power and Search-Only API users exceeding limits more than three times per quarter would incur an additional pro-rated subscription fee.

* One-off build costs including 20% FSM

New Topic – DSB Release Scope & Planning

Background

Following previous TAC discussions on the DSB Release Process, it became clear that users need greater predictability and more time to plan for and implement product-breaking changes. In response, the DSB is refining its approach to release scope planning so that upcoming changes are communicated earlier, tested more thoroughly, and delivered on a clearer timetable.

Proposal

The Breaking Change Release Scope will be defined using the following guidelines:
- The Breaking Change release will only contain breaking changes
- Minimum 6-month notice period for any product-breaking change before Production go-live. Within this window:
  - Draft Product templates will be made available 4 months prior to the Production release
  - The last 3 months prior to the Production release will be dedicated to UAT
- Move to two scheduled product-breaking Production releases per calendar year with the following proposed release dates for discussion:
  - Second weekend of April
  - Third weekend of October

Communication

The DSB has an established communication strategy via user notifications and published releases on the website[1] which DSB users are encouraged to actively monitor. However, the latest Product release highlighted that some users are not reached through these channels. To improve awareness and transparency of future releases, the DSB is:

- Now regularly providing updates on ISDA working group calls
- Exploring options for engagement with the relevant Trade Association forums

The DSB will continue to engage with both the Product Committee and Technology Advisory to identify new communication methods.

[1]https://www.anna-dsb.com/release-notes/

New Topic – Environment Downtime Windows

Introduction

DSB Technical Support has asked the TAC secretariat if we can remind users of the DSB's weekly environment downtime windows.

This is due to several programmatic clients still trying to transact during these periods. Key points:

- Three 12-hour windows
- One each environment - UAT2, Production and UAT
- Each environment supports UPI and ISIN services
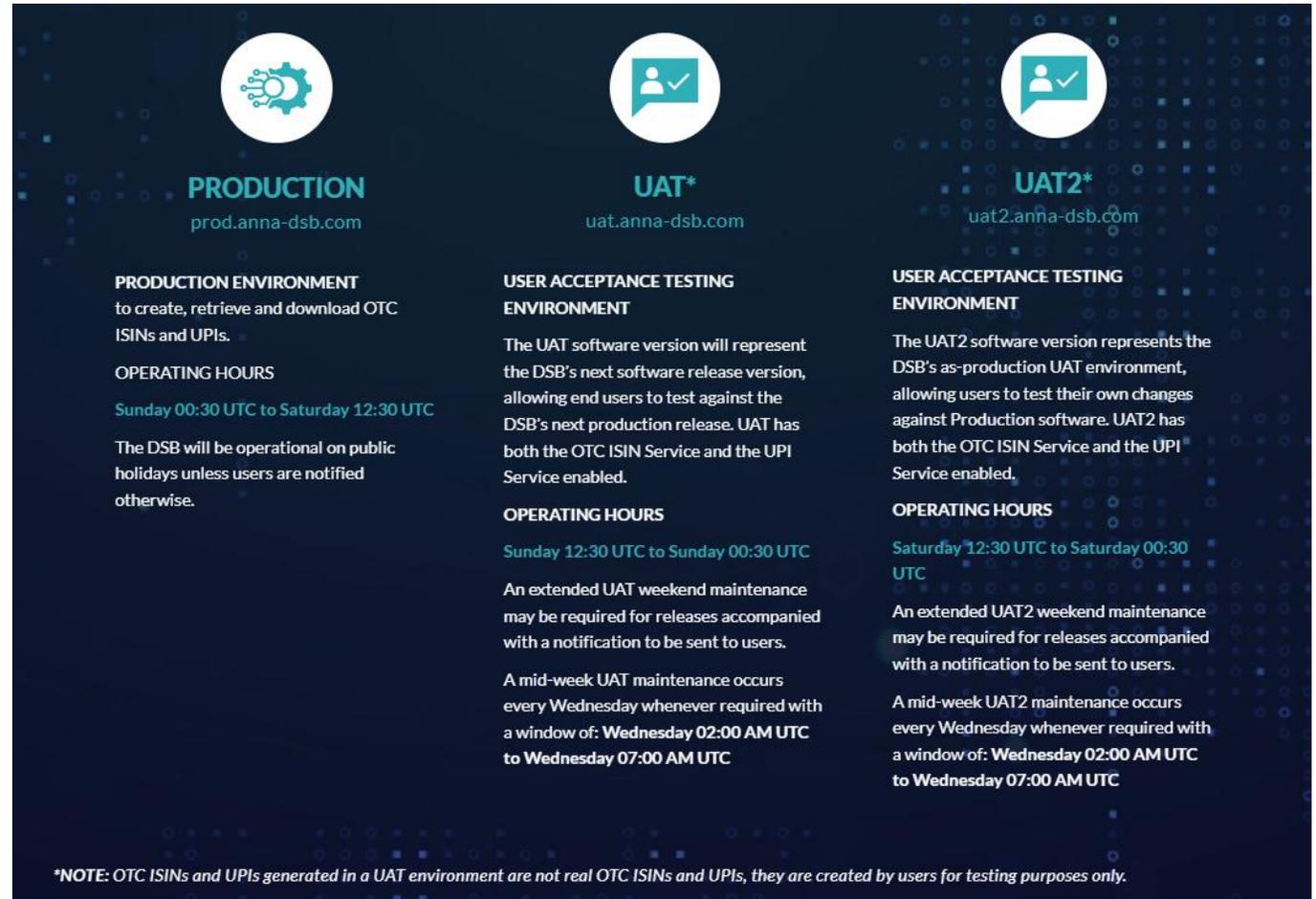- The downtime windows run sequentially each week:

```
Saturday
00:30 UTC UAT2 Begin
12:30 UTC UAT2 End, Production Begin
Sunday
00:30 UTC Production End, UAT Begin
12:30 UTC UAT End
```

Please refer the DSB Website for more information:

PRODUCTION
prod.anna-dsb.com

PRODUCTION ENVIRONMENT
to create, retrieve and download OTC ISINs and UPIs.

OPERATING HOURS

Sunday 00:30 UTC to Saturday 12:30 UTC

The DSB will be operational on public holidays unless users are notified otherwise.

UAT*
uat.anna-dsb.com

USER ACCEPTANCE TESTING ENVIRONMENT

The UAT software version will represent the DSB's next software release version, allowing end users to test against the DSB's next production release. UAT has both the OTC ISIN Service and the UPI Service enabled.

OPERATING HOURS

Sunday 12:30 UTC to Sunday 00:30 UTC

An extended UAT weekend maintenance may be required for releases accompanied with a notification to be sent to users.

A mid-week UAT maintenance occurs every Wednesday whenever required with a window of: **Wednesday 02:00 AM UTC to Wednesday 07:00 AM UTC**

UAT2*
uat2.anna-dsb.com

USER ACCEPTANCE TESTING ENVIRONMENT

The UAT2 software version represents the DSB's as-production UAT environment, allowing users to test their own changes against Production software. UAT2 has both the OTC ISIN Service and the UPI Service enabled.

OPERATING HOURS

Saturday 12:30 UTC to Saturday 00:30 UTC

An extended UAT2 weekend maintenance may be required for releases accompanied with a notification to be sent to users.

A mid-week UAT2 maintenance occurs every Wednesday whenever required with a window of: **Wednesday 02:00 AM UTC to Wednesday 07:00 AM UTC**

***NOTE:** OTC ISINs and UPIs generated in a UAT environment are not real OTC ISINs and UPIs, they are created by users for testing purposes only.*

https://www.anna-dsb.com/ISIN/#isin-environments
https://cosp.anna-dsb.com/home#upi-environments

New Topic – File Download Breaking Change I of II

Introduction

Following the previous discussions with the TAC including the GAA subcommittee, the DSB would like to advise the TAC members that the DSB will be raising a breaking change to consolidate a number of File Download related changes into a single release:

Removal of Legacy ISIN Migration Folders

The legacy ISIN "ISIN Migration" and "ISIN+" folders will be removed.

Any further migration-related work is expected to be low volume and will be included in the ISIN delta files, with the exception of new CFI standard releases. As previously discussed with the TAC, users wishing to obtain the new CFI values for existing identifiers will be able to do so via the weekly snapshot.

Removal of Historical Files

As previously discussed with the TAC, the data retention of the file download area will be reduced to the last two weekly snapshots and any delta files since the first snapshot. This will apply to both the ISIN and UPI services.

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Change to File Naming Standard

This change will allow differentiation between both the service (ISIN & UPI) and the type (snapshot & delta) files.

	Format
Current:	<asset class>-<yyyymmdd>.<extension>
Proposed:	<service>-<type>-<asset class>-<yyyymmdd>.<extension>

Where:
<service>=ISIN or UPI
<type>=DLT or FUL (Delta or Snapshot)*

Examples:

| Service	Type	Example – Current	Examples - Proposed
ISIN	Delta	Commodities-20260307.records	ISIN-DLT-Commodities-20260307.records
ISIN	Snapshot		ISIN-FUL-Commodities-20260307.records
UPI	Delta		UPI-DLT-Commodities-20260307.records
UPI	Snapshot		UPI-FUL-Commodities-20260307.records

TAC Decision: Do the TAC members agree with the proposed naming change?

Aligns with the naming approach used by ESMA & FCA

CYBER SECURITY

Cyber Security Update – SOC (Security Operations Centre)

- In 2023 the TAC approved the creation of a SOC to increase the DSB's cyber resilience. The build of the SOC is complete and was made available in production from the 1 January 2025.
- The charts below are an indication of some of the metrics now being received from the SIEM which is generating a backlog of alerts for investigation:
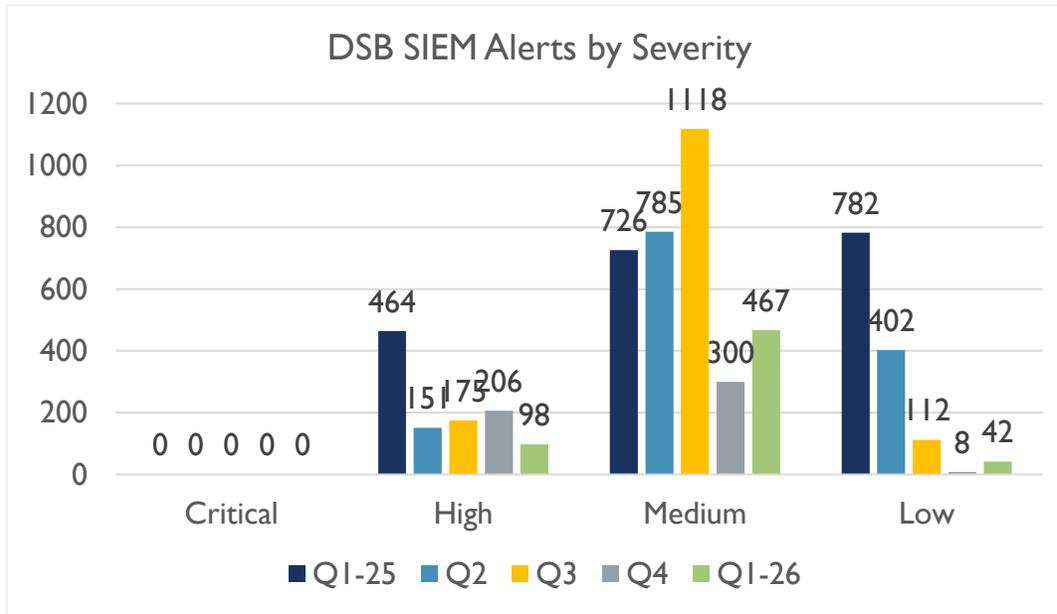
Enhanced classification of alerts and noise reduction helped reduce the number of High-severity alerts.
The graph includes unresolved tickets and false-positives.
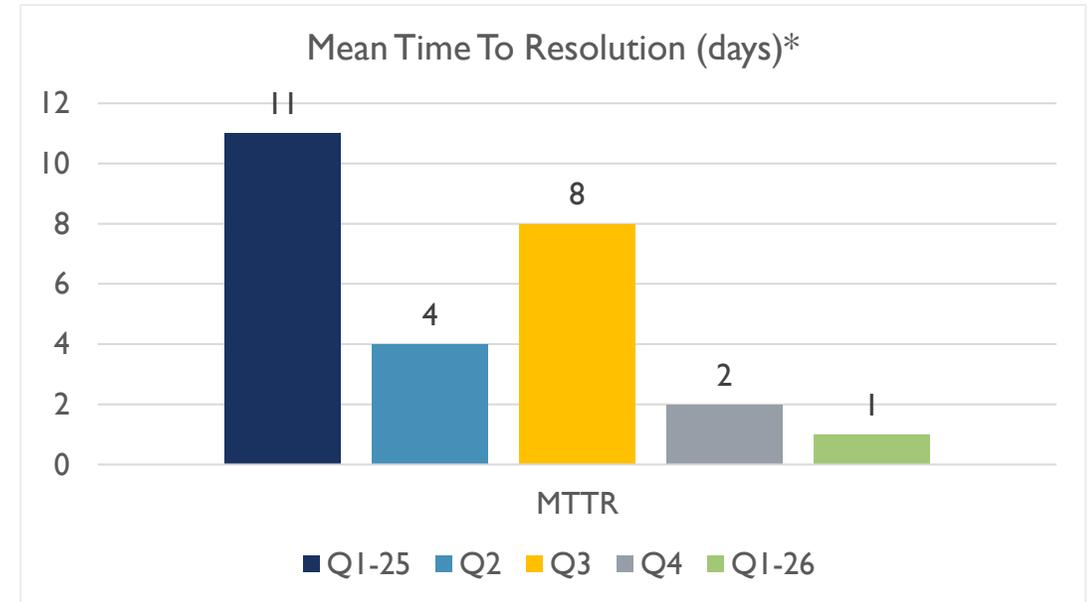
Mean Time to Resolution (MTTR) is the average time to resolve a security incident.
Currently MTTR is 1 day for critical and high security risks.

AOB

Further TAC Information:

Website: https://www.anna-dsb.com/technology-advisory-committee/
Members: https://www.anna-dsb.com/technology-advisory-committee-members/
Charter: https://www.anna-dsb.com/download/technology-advisory-committee-charter/

Appendices

- A – TAC Committee Members

- B – TAC Meeting Schedule

- C – TAC Bulletin Board Items

- D – Annual Checklists

  - D1 – Software Version Levels

  - D2 – Penetration Testing

  - D3 – Disaster Recovery Testing

- E – Actions

- F – DSB Change Process

Appendix A – TAC Committee Members

Institution	Category	First Name	Last Name	Position / Title
Bank of America	Industry	Ramesh	Thurumella	Director, Senior Technology Manager
BGC Partners	TV	Jimmy	Chen	Development Manager
Bloomberg	Industry	Chris	Pulsifer	Software Development Manager
BVI	Industry	Felix	Ertl	VP, Legal
Citigroup	Industry	Souvik	Deb	VP, Regulatory Reform
Deutsche Bank AG	Industry	Amit	Bairagi	Vice President
DTCC	Industry	Danie	Thomas-Joyson	Executive Director, Repository & Derivative Services
FIX	Industry	Lisa	Taikitsadaporn	FIX Global Technical Committee
Gresham	Industry	Neil	Vernon	Chief Product Officer
HSBC	Industry	James	Cowie	Americas Product Owner - Regulatory Reporting
JP Morgan	Industry	Atara	Sender-Stein	Vice President, Software Engineering
Morgan Stanley	Industry	Chandrashekar	Aswath Narayana	Senior Manager, Technology
National Bank of Canada	Industry	Mike-Hans	Mathieu	Senior Advisor
Point Nine	Industry	Antreas	Artemiou	Chief Product and Technology Officer
Rabobank	Industry	Ed	Sligting	Technology Lead
Refinitiv MTF	TV	Zintis	Rullis	Senior Technical Specialist
SEB	Industry	Torbjörn	Cronbladh	Market Data Specialist and Product Owner
SIX Group Services AG	Industry	Richard	Gee	Head of Product Provisioning and Delivery
SmartStream	Industry	Vishal	Joshi	Head of Technologies – Reference Data Services
Standard Chartered Bank	Industry	Wemimo	Onasanya	ISIN Data Platform Manager
State Street Bank	Industry	Anand	Pai	Managing Director, State Street Data, Markets, Corporate (DMC) Technology
State Street FX Connect	TV	Stuart	Oliver	FX Connect MTF Product Manager
Tahoe Blue Ltd	Industry	Jefferson	Braswell	Founding Partner
Tradeweb	TV	Elodie	Cany	Director, Technology Product Development
UBS	Industry	James	Colquhoun	Market Regulation Domain Architect

Observers

Organisation	Name	Position / Title
CFTC	Robert Stowsky	IT Specialist
ECB	Grzegorz Skrzypczynski	Senior Data Science Expert
FCA	Paul Everson	Senior Associate – Market Oversight
JSDA	Eiichiro Fukase	Senior Research Fellow, Center for Studies of Finance and Securities

DSB TAC Sponsor: Marc Honegger
DSB Board Member

DSB TAC Chair: Chris Pulsifer
Bloomberg

Designated DSB Officer: Andy Hughes
DSB Management Team

DSB TAC Secretariat: Cristina Scurr
DSB PMO

Appendix B - TAC Meeting Schedule

The following shows the TAC meeting dates & times:

Date	Description	Time
Wednesday 25 Mar 2026	**2026 Meeting 1**	**1pm GMT (1pm UTC, 2pm CET, 9am EDT)**
Wednesday 17 Jun 2026	2026 Industry Consultation	1pm BST (12pm UTC, 2pm CET, 8am EST)
Wednesday 28 Oct 2026	2026 Meeting 2	1pm GMT (1pm UTC, 2pm CET, 9am EDT)

Appendix C – TAC Bulletin Board Items

The following table details the active TAC Bulletin Board topics:

Created	Updated	Title	Posts	Link
3 Oct 2025	17 Feb 2026	DSB 2026 Release Process ** Feedback Required **	3	https://www.anna-dsb.com/bulletin-board/tac-forum/dsb-2026-release-process-feedback-required/#post-791
12 Aug 2025	15 Aug 2025	Additional information re Acceptable Use Policy Breaches	5	https://www.anna-dsb.com/bulletin-board/tac-forum/additional-information-re-acceptable-use-policy-breaches/#post-747

Please note: All historical topics remain on the bulletin board, only the ones deemed active have been listed above for reference

Appendix D – Annual Checklists

The following table details the items which will be checked on an annual basis:

Appendix	Item	Last Review	Next Review	Comments
D1	Software Version Levels	19 Oct 2025	Q4 2026	
D2	Penetration Testing	19 Oct 2025	Q4 2026	
D3	Disaster Recovery Testing	19 Oct 2025	Q4 2026	

Appendix D1 - Software Version Levels

The DSB's software version policy is to remain within one major version of the latest version in industry.

This is to ensure that we remain current particularly in relation to security updates.

All upgrades are anticipated to be transparent to the DSB user base (i.e.: backwardly compatible)

The key software versions are available to the TAC members via the bulletin board via the following link:

https://www.anna-dsb.com/bulletin-board/tac-forum/dsb-software-version-levels/#post-346

Appendix D2 – Penetration Testing

This table below details the DSB's Penetration Testing history:

Environment	Start	End	Description	Outcome	Notes
UAT	15 Sep 2017	22 Sep 2017	Gotham Digital Science	Success	
UAT	04 Dec 2018	12 Dec 2018	Gotham Digital Science	Success	
UAT	02 Dec 2019	09 Dec 2019	AON	Success	
UAT	03 Dec 2020	09 Dec 2020	Jumpsec	Success	
UAT	29 Nov 2021	03 Dec 2021	Jumpsec	Success	
UAT	28 Nov 2022	02 Dec 2022	Jumpsec	Partial	
UAT	04 Feb 2023	19 Feb 2023	Jumpsec	Success	
UAT	02 Apr 2024	12 Apr 2024	FSP	Success	
UAT	22 Oct 2025	4 Nov 2025	S-RM	Success	
UAT	2026		Tbc	Pending	

Appendix D3 – Disaster Recovery Testing I of II

This table below details the DSB's DR testing history:

Env	Start	End	Description	Outcome	RTA	Data Loss	Notes
UAT	16/072021	10/09/2021	Full migration of DSB service to the DR region using the UAT environment	Success	N/R	N/R	Runbook revised and optimised
UAT	19/11/2022	03/12/2022	Full migration of DSB service to the DR region using the UAT environment, including ToTV and reverse DR flow	Postponed	N/R	N/R	Issue identified due to changes made
UAT	17/02/2023	04/03/2023	Full migration of DSB service to the DR region using the UAT environment, including ToTV and reverse DR flow	Success	N/R	N/R	One client connectivity issue observed, RTO met.
PROD	06/08/2023	06/08/2023	Internal failover/failback test	Success	N/R	N/R	Internal test only, no clients involved
UAT	15/06/2024	29/06/2024	Full migration of DSB service to the DR region using the UAT environment, including ToTV and reverse DR flow	Partial Success	3.5 hours	None	Test postponed, rescheduled for June. 2 clients experienced connectivity issues, retest required. RTA 3.5 hours; RPO No data loss
UAT	09/11/2024	10/11/2024	Full migration of DSB service to the DR region using the UAT environment, including ToTV and reverse DR flow	Success	3.5 hours	None	Shorter duration test over the weekend, delayed due to client retests and single global cluster implementation. Successful test achieving RTA 3.5 hours
Prod	24/11/2024	25/11/2024	Full migration of DSB service to the DR region using the UAT environment, including ToTV and reverse DR flow	Success	3.5 hours	None	Postponed due to UAT issue & to allow single global cluster implementation Shorter duration test over the weekend to reduce connectivity risk for clients. Successful test achieving

Appendix D3 – Disaster Recovery Testing II of II

DERIVATIVES SERVICE BUREAU

This table below details the DSB's DR testing history continued:

Env	Start	End	Description	Outcome	RTA	Data Loss	Notes
UAT	20/09/2025	21/092025	Full migration of the DSB service to the DR region using the UAT environment and reverse DR Flow	Success	2 hours 28 mins	None	Weekend test to prove connectivity post a/c migration and new AGA prior to extended test
UAT	05/10/2025	19/10/2025	Full migration of the DSB service to the DR region using the UAT environment and reverse DR Flow	Success	1 hour 48 mins	None	
Prod	01/11/2025	02/11/2025	Full migration of the DSB service to the DR region using the PROD environment and reverse DR Flow	Success	2 hours 10 minutes	None	Weekend test to prove connectivity post a/c migration and new AGA prior to extended test
Prod	15/11/2025	29/11/2025	Full migration of the DSB service to the DR region using the PROD environment and reverse DR Flow	Cancelled	N/A	N/A	The extended test did not go ahead as scheduled due to an AWS outage that occurred on Monday 20 October 2025. To minimise any risk to the DSB's service; and to demonstrate the robustness of the Production service, we proceeded with the weekend Production test but deferred the extended two-week test until we received the root cause statement from AWS on the outage.

Appendix E – TAC Actions

There are currently no open actions.

APPENDIX F – DSB CHANGE PROCESS

▪**Background:**

- Following the service outage in August 2022, the DSB reviewed the Technology Change management process and introduced a new governance forum, the Change Advisory Board (CAB), the first CAB was held on 21st September 2022

- The CAB covers change in any of the DSB's customer facing environments: UAT, UAT-DR, UAT2, PROD, PROD-DR

- The CAB meets every week to review changes to these environments

- This topic provides an update on the change volumes observed since the new forum began

- The data was collected to 13 March 2026

Jan-25	143	29	12
Feb-25	141	38	6
Mar-25	101	30	2
Apr-25	146	37	6
May-25	148	70	10
Jun-25	183	51	6
Jul-25	233	77	11
Aug-25	210	45	16
Sep-25	263	50	12
Oct-25	206	69	8
Nov-25	142	35	4
Dec-25	156	49	1
Jan-26	167	40	7
Feb-26	153	68	3
Mar-26	131	29	0

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12/03/2026