

Public

P398 'Open data'

Workgroup three

18 August 2020

Objectives

- Review legal text
- Review consultation
- Gather WG views

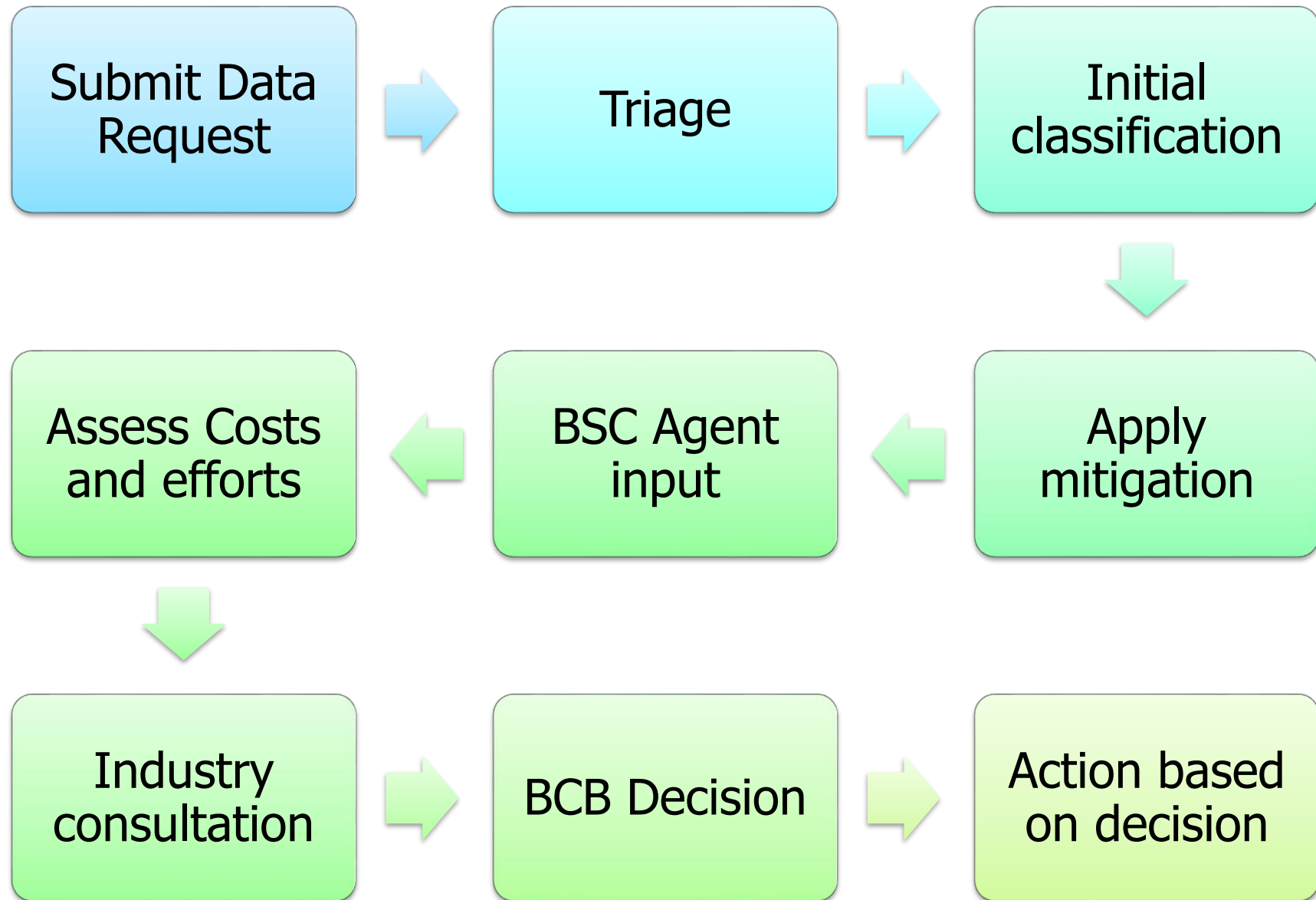
Agenda

| Agenda item | Lead |
|--|------------|
| 1. Welcome and Objectives | Chair |
| 2. Reminder of solution and actions since last Workgroup | Chris Wood |
| 3. Review of Business Requirements | Assad Ijaz |
| 4. Legal text review | Nick Brown |
| 5. Consultation review | Chris Wood |
| 6. Workgroup's views | Chris Wood |
| 7. Next steps | Chris Wood |
| 8. AOB | Chair |
| 9. Close | Chair |



P398 Solution

P398 proposed solution



P398 solution

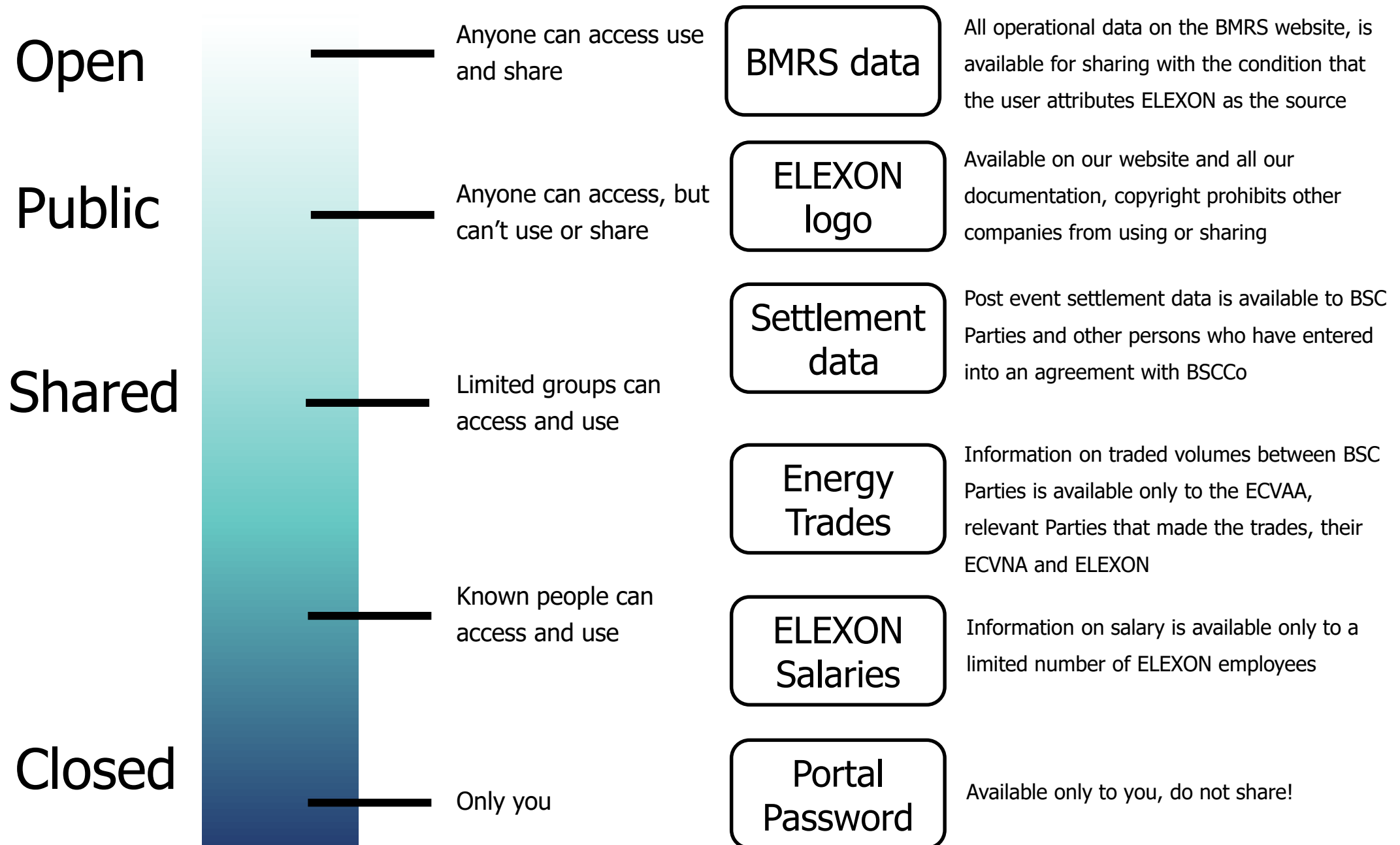
- Templates will be provided
- Instructions for completing forms to be published
- Processes will be published
- Everything should be easily discoverable
- Applications to be published (subject to triage and classification)
- Appeals process, but Panel's decision will be final
- Statistics to be published and/or shared
- BMRS Change Board Terms of Reference to align with other sub-committees as close as possible
- Standing delegations

Triaging data

All data should be triaged against each of these categories i.e. a simple yes/no:

- Consumer privacy – are there consumer Privacy issues either directly or indirectly?
 - Can the data be used to identify a private person? e.g. address
 - Can the data be used alongside other data to identify an individual? e.g. MSID (MPAN)
- Consumer Impact – will releasing the data have a negative impact on consumers?
 - What does negative impact mean?
 - To what extent will there be a negative impact?
- Security – will releasing the data have security implications?
- Commercial – are there commercial implications for releasing the data?
- Governance – does the law/BSC allow for sharing of the dataset?

Scale of how open the access to data is



Possible mitigation techniques (not conclusive)

| | |
|----------------------|---|
| Redaction | <ul style="list-style-type: none">• Removal of sensitive data |
| Anonymisation | <ul style="list-style-type: none">• Removal of personal data |
| Aggregation | <ul style="list-style-type: none">• Combine data sets so the collective sum is less sensitive |
| Limitation | <ul style="list-style-type: none">• Only share with specific individuals or group(s) |
| Noise | <ul style="list-style-type: none">• Combine original data with meaningless data to confuse |
| Delay | <ul style="list-style-type: none">• Wait until data is less sensitive before sharing |
| Differential Privacy | <ul style="list-style-type: none">• Obscuring the data in such a way as to mask original identities |
| Shift/rotate | <ul style="list-style-type: none">• Altering the position or orientation of spatial or time series data |
| Randomisation | <ul style="list-style-type: none">• Making random changes to data |
| Normalisation | <ul style="list-style-type: none">• Modifying data to reduce the difference between individual subjects |

The flowchart illustrates the process of determining data openness based on various issues. It starts with 'Data sets' on the left, which leads to a large blue arrow labeled 'PRESUMED OPEN'. This arrow points to 'Open data' on the right. Below the 'PRESUMED OPEN' arrow, four boxes represent potential issues: 'Commerciality Issue', 'Security Issue', 'Privacy Issue', and 'Consumer Impact Issue'. Each issue box points down to a central pink box asking: 'Would the data set be less sensitive but retain its value after anonymisation / redaction?'. From this central box, a solid pink arrow points left to a yellow box: 'Anonymise, Aggregate, redact or Add noise to Data*'. Another solid pink arrow points down to a pink box asking: 'Can risk be reduced if shared with a limited group or licence restrictions?'. A third solid pink arrow points down to a pink box asking: 'Can limiting audience or imposing licence restrictions reduce commercial risk?'. A fourth solid pink arrow points down to a pink box asking: 'Can risk be reduced by limiting terms and conditions?'. From the 'Can risk be reduced if shared...' box, a dotted pink arrow labeled 'Yes' points right to 'Shared data'. From the 'Can limiting audience...' box, a dotted pink arrow labeled 'Yes' points right to 'Closed data'. From the 'Can risk be reduced by limiting terms and conditions?' box, a dotted pink arrow labeled 'Yes' points right to 'Shared data'. A dashed pink arrow labeled 'Yes' points from the central pink box to 'Public data'.

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graph TD
    DS[Data sets] --> PO[PRESUMED OPEN]
    PO --> OD[Open data]
    PO --> CI[Commerciality Issue]
    PO --> SI[Security Issue]
    PO --> PI[Privacy Issue]
    PO --> CII[Consumer Impact Issue]
    CI --> Q1[Would the data set be less sensitive but retain its value after anonymisation / redaction?]
    SI --> Q1
    PI --> Q1
    CII --> Q1
    Q1 --> A[Anonymise, Aggregate, redact or Add noise to Data*]
    Q1 --> Q2[Can risk be reduced if shared with a limited group or licence restrictions?]
    Q1 --> Q3[Can limiting audience or imposing licence restrictions reduce commercial risk?]
    Q1 --> Q4[Can risk be reduced by limiting terms and conditions?]
    Q2 -. Yes .-> SD[Shared data]
    Q3 -. Yes .-> CD[Closed data]
    Q4 -. Yes .-> SD
    Q1 -. Yes .-> PD[Public data]
  
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*Multiple stages of anonymisation / redaction may be required to address different issues (e.g. privacy and security) but repeated application





Review of Business Requirements

Assad Ijaz

Business Requirements

- [See document with pre-meet papers](#)



Legal text review

Nicholas Brown

Section B – high level description

- Section B3.3:
 - proposed legal text replaces existing Panel powers relating to the release of data with new P398 process (set out in Section H11)
 - Question for Workgroup – discuss obligation in H3.3.9 to anonymise certain Trading Data before release
- Section B5.1.7
 - Codifies the requirement for the Panel to establish the Balancing Mechanism Reporting Service Change Board (the "BCB") as a Panel Committee

Section H – high level description of changes

- High level description
 - Section H4.8 – updates the Codes references to data protection legislation (to align with the GDPR and Data Protection Act 2018)
 - H4.9 – deleted as superseded by H11
 - H11 – introduces open data criteria and processes
- Points to note
 - H4.3.4 – where the Code allows Elexon to disclose data, Elexon has the same powers as the Panel under B3.3 (for purposes of P398 this will allow Elexon to instigate open data processes)
 - H11.2.1(a) – this is the definition of BSC Data i.e. the data that falls within the scope of P398. P398 Workgroup to review
 - H11.2.1(e) – confirm that the Panel should review and approve the BSC Data Request Procedure

Section V – high level description of changes

- V3.2.7 – currently requires Elexon to enter a hard copy of agreement with non-parties for certain BSC data (e.g. P30/P114 data) and requires payment of a fee. P398 drafting allows for electronic contract and fees permissible (but not required)
- V3.2.9 – maintains categories of Trading Data (which categorise by reference to who data can be released to) but V3.2.9 makes this subject to a contrary determination by the BCB



Consultation overview

P398 Consultation

- High to Medium level
- Suggested questions to ask:
 - Agreement with Issue
 - Agreement with Solution
 - No alternative?
 - Agreement with triaging and classification
 - Additional mitigations?
 - Cost threshold of £150k
 - Industry consultation and duration?
 - BCB to make determinations?
 - Impacts and costs – include costs to self
 - Implementation process



Workgroup's views

Chris Wood

Voting for P398 solution

- Workgroup views regarding:
 - Applicable BSC objectives
 - Self-Governance
 - Impacts and Costs
 - Implementation
 - P398 Workgroup Terms of Reference
 - Legal text

Applicable BSC Objectives (1 of 2)

- A. The efficient discharge by the Transmission Company of the obligations imposed upon it by the Transmission License
 - ***Proposer believed to be Neutral at IWA***
- B. The efficient, economic and coordinated operation of the National Electricity Transmission System
 - ***Proposer believed to be Positive at IWA – will lead to innovative and efficient markets, therefore more efficient System***
- C. Promoting effective competition in the generation and supply of electricity and (so far as consistent therewith) promoting such competition in the sale and purchase of electricity
 - ***Proposer believed to be Positive at IWA – more business models to come to market***
- D. Promoting efficiency in the implementation of the balancing and settlement arrangement
 - ***Proposer believed to be positive at IWA – if Ofgem make mandatory, BSC is already ahead of the game***

Applicable BSC objectives (2 of 2)

- E. Compliance with the Electricity Regulation and any relevant legally binding decision of the European Commission and/or the Agency [for the Co-operation of Energy Regulators]
 - ***Proposer believed to be neutral at IWA***
- F. Implementing and administering the arrangements for the operation of contracts for difference and arrangements that facilitate the operation of a capacity market pursuant to EMR legislation
 - ***Proposer believed to be neutral at IWA***
- G. Compliance with the Transmission Losses Principle
 - ***Proposer believed to be neutral at IWA***

Self-Governance

■ Self-Governance criteria

A. is unlikely to have a material effect on:

- i. existing or future electricity consumers; and
- ii. competition in the generation, distribution, or supply of electricity or any commercial activities connected with the generation, distribution, or supply of electricity; and
- iii. the operation of the national electricity transmission system; and
- iv. matters relating to sustainable development, safety or security of supply, or the management of market or network emergencies; and
- v. the Code's governance procedures or modification procedures; and

B. is unlikely to discriminate between different classes of Parties.

Impacts and costs and Implementation

- Cost to implement is **c.£4,500**
- Proposed Implementation Date is **25 February 2021**

P375 workgroup Terms of Reference

- All met as per the draft consultation document
- Copy in pre-meet paper folder

Legal text

- Discussed earlier, require views subject to agreed amendments



Next steps

Chris Wood

Next steps

- Consult
- WG to review responses
- October BSC Panel
- One month consultation
- December BSC Panel
- Implement Feb 21



AOB

