

**DSC Change Proposal**

**Change Reference Number: XRN4810**

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Xoserve to fill out all of the information in this colour

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| **Section A1: General Details** | | |
| **Change Title** | Chat Bot Automated Gemini Assistant | |
| **Date Raised** | 14/11/2018 | |
| **Sponsor Organisation** | National Grid Transmission | |
| **Sponsor Name** | Darren Lond | |
| **Sponsor Contact Details** | [Darren.Lond@nationalgrid.com](mailto:Darren.Lond@nationalgrid.com) | |
| **Xoserve Contact Name** | Rob Smith | |
| **Xoserve Contact Details** | 0121 623 2391 | |
| **Change Status** | Proposal | |
| **Section A2: Impacted Parties** | | |
| **Customer Class(es)** | Shipper  National Grid Transmission  Distribution Network Operator  IGT | |
| **[Section A3: Proposer Requirements / Final (redlined) Change](C:\\Users\\Rebecca.perkins\\AppData\\Local\\Microsoft\\Windows\\Temporary Internet Files\\Content.Outlook\\EXD06YFG\\Change_Proposal_Template v2.0.docx" \o "WHAT – What is the required change? WHY – Why is the change needed? WHEN – Detail when the solution should be started/implemented.  )** | | |
| Requirement for the implementation of a Chat Bot to the Gemini System.   Chat Bot is a computer program designed to simulate conversation with human users, especially over the Internet. Chat bot can be useful in many aspects of the Gemini Application, user could ask the bot a question or give it an instruction and the bot could respond or perform an action as appropriate.  The initial version of the chat bot will be capable of answering the following.  Dynamic -  Line pack published or/not with timings. All GB/IP short term auctions processing timings. All EU-interfaces received/delivered timings. Nomination Lock queries. Demand publish timings.  Nominations and renominations – how to place / check / timings  Static - An extensive list of static questions/answers i.e. FAQs and repetitive tickets. Basic information on Gemini functional processes, incorporating all Capacity and Energy Balancing FAQ’s  Bot Learning - Will create a table and store all questions which the chat bot unable to answer. So that, later it can be assessed and the bot can be improved.  A version 1.1 will also provide an improved user interface, inclusion of more dynamic query resolution and integration of logging Xoserve Service Desk tickets.  This CP aims to deliver version 1.0 and 1.1 and the costs are reflected to incorporate both versions. Note, there is a period of 2-3 months stabilization period between version 1.0 and 1.1.  National Grid request that Xoserve look for any efficiencies in project delivery that can be leveraged with any other NG Gemini delivery projects in flight concurrently. | | |
| **Proposed Release (Feb/Jun/Nov/Minor)** | Adhoc – Date TBC | |
| **Proposed Consultation Period** | 10 Working Days  20 Working Days  30 Working days  Other: | |
| **[Section A4: Benefits and Justification](C:\\Users\\Rebecca.perkins\\AppData\\Local\\Microsoft\\Windows\\Temporary Internet Files\\Content.Outlook\\EXD06YFG\\Change_Proposal_Template v2.0.docx" \o "Benefit Description: What, if any, are the intangible and tangible benefits of the change?Benefit Realisation:When are the benefits of the change likely to be realised? Benefit Dependencies:Detail any dependencies that are outside the scope.)** | | |
| **Benefit Description**  *What, if any, are the tangible benefits of introducing this change?*  *What, if any, are the intangible benefits of introducing this change?* | | The bot gives customers an alternate approach to the existing options of the service desk or the FAQ’s documents with a quick response to the customer’s query, providing them with a self service option within the Gemini application User interface. |
| **Benefit Realisation**  *When are the benefits of the change likely to be realised?* | | This kind of approach is used in many other industries and applications to provide the customer with choice, which should in turn reduce waiting times for others contacting the service desk and provide a more efficient customer experience. |
| **Benefit Dependencies**  *Please detail any dependencies that would be outside the scope of the change, this could be reliance on another delivery, reliance on some other event that the projects has not got direct control of.* | | No benefit dependencies have been identified |
| **Section A5: Final Delivery Sub-Group (DSG) Recommendations** | | |
| *Until a final decision is achieved, please refer to section C of the form.* | | |
| **Final DSG Recommendation** | Approve / Reject / Defer | |
| **DSG Recommended Release** | Release X: Feb/Jun/Nov XX or Adhoc DD/MM/YYYY | |
| **Section A6: Funding** | | |
| **Funding Classes** | Shipper XX%  National Grid Transmission 100%  Distribution Network Operator XX%  IGT XX% | |
| **Service Line(s)** | DSC Service Area 20: Gemini System Services | |
| **ROM or funding details** |  | |
| **Funding Comments** |  | |
| **Section A7: ChMC Recommendation** | | |
| **Change Status** | Approve – Issue to DSG  Defer – Issue for review  Reject | |
| **Industry Consultation** | 10 Working Days  20 Working Days  30 Working days  Other: | |
| **Expected date of receipt for responses (to Xoserve)** | XX/XX/XXXX | |
| **DSC Consultation** | | |
| **Issued** | Yes  No | |
| **Date Issued** |  | |
| **Comms Ref(s)** |  | |
| **Number of Responses** |  | |
| **Section A8: DSC Voting Outcome** | | |
| **Solution Voting** | Shipper Approve / Reject / NA / Abstain  National Grid Transmission Approve / Reject / NA / Abstain  Distribution Network Operator Approve / Reject / NA / Abstain  IGT Approve / Reject / NA / Abstain | |
| **Meeting Date** | XX/XX/XXXX | |
| **Release Date** | Release X: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY or NA | |
| **Overall Outcome** | Approved for Release X / Rejected | |

**Please send the completed forms to:** [**box.xoserve.portfoliooffice@xoserve.com**](mailto:box.xoserve.portfoliooffice@xoserve.com)

**Document Version History**

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| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 0.1 | Draft | 14/11/18 | Darren Lond | New CP |
| 0.2 | Draft | 21/11/18 | Heather Spensley | Appendix added |

**Template Version History**

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| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 3.0 | Approved | 17/07/18 | Emma Smith | Template approved at ChMC on 11th July |
| 4.0 | Approved | 07/09/18 | Emma Smith | Minor wording amendments and additional customer group impact within Appendix 1 |



**Appendix 1**

**Change Prioritisation Variables**

Xoserve uses the following variables set for each and every change within the Xoserve Change Register, to derive the indicative benefit prioritisation score, which will be used in conjunction with the perceived delivery effort to aid conversations at the DSC ChMC and DSC Delivery Sub Groups to prioritise changes into all future minor and major releases.

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| **Change Driver Type** | CMA Order  MOD / Ofgem  EU Legislation  License Condition  BEIS  ChMC endorsed Change Proposal  SPAA Change Proposal  Additional or 3rd Party Service Request  Other*(please provide details below)*  **Improving Gemini services for customers** |
| **Please select the customer group(s) who would be impacted if the change is not delivered** | Shipper Impact iGT Impact Network Impact Xoserve Impact National Grid Transmission Impact |
| **Associated Change reference Number(s)** | **N/A** |
| **Associated MOD Number(s)** | **N/A** |
| **Perceived delivery effort** | 0 – 30  30 – 60  60 – 100  100+ days |
| **Does the project involve the processing of personal data?**  *‘Any information relating to an identifiable person who can be directly or indirectly identified in particular by reference to an identifier’ – includes MPRNS.* | Yes *(If yes please answer the next question)*  No |
| **A Data Protection Impact Assessment (DPIA) will be required if the delivery of the change involves the processing of personal data in any of the following scenarios:** | New technology  Vulnerable customer data  Theft of Gas  Mass data  Xoserve employee data  Fundamental changes to Xoserve business  Other*(please provide details below)*  *(If any of the above boxes have been selected then please contact The Data Protection Officer (Sally Hall) to complete the DPIA.* |
| **Change Beneficiary**  *How many market participant or segments stand to benefit from the introduction of the change?* | Multiple Market Participants  Multiple Market Group  All industry UK Gas Market participants  Xoserve Only  One Market Group  One Market Participant |
| **Primary Impacted DSC Service Area** | Service Area 20: UK Link Gemini System Services |
| **Number of Service Areas Impacted** | All  Five to Twenty  Two to Five  One |
| **Change Improvement Scale?**  *How much work would be reduced for the customer if the change is implemented?* | High  Medium  Low |
| **Are any of the following at risk if the change is not delivered?** | |
| Safety of Supply at risk Customer(s) incurring financial loss  Customer Switching at risk | |
| **Are any of the following required if the change is delivered?** | |
| Customer System Changes Required  Customer Testing Likely Required  Customer Training Required | |
| **Known Impact to Systems / Processes** | |
| **Primary Application impacted** | BW  ISU  CMS  AMT  EFT  IX  Gemini  Birst  Other *(please provide details below)* |
| **Business Process Impact** | AQ SPA RGMA  Reads Portal Invoicing  Other *(please provide details below)*  **ISOps** |
| **Are there any known impacts to external services and/or systems as a result of delivery of this change?** | Yes *(please provide details below)*  No |
| **Please select customer group(s) who would be impacted if the change is not delivered.** | Shipper impact  Network impact  iGT impact  Xoserve impact  National Grid Transmission Impact |
| **Workaround currently in operation?** | |
| **Is there a Workaround in operation?** | Yes  No |
| **If yes who is accountable for the workaround?** | Xoserve  External Customer  Both Xoserve and External Customer |
| **What is the Frequency of the workaround?** |  |
| **What is the lifespan for the workaround?** |  |
| **What is the number of resource effort hours required to service workaround?** |  |
| **What is the Complexity of the workaround?** | Low *(easy, repetitive, quick task, very little risk of human error)*  Medium *(moderate difficult, requires some form of offline calculation, possible risk of human error in determining outcome)*  High *(complicate task, time consuming, requires specialist resources, high risk of human error in determining outcome)* |
| **Change Prioritisation Score** | 37% |

**Document Control**

**Version History**

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| --- | --- | --- | --- | --- |
| **Version** | **Status** | **Date** | **Author(s)** | **Summary of Changes** |
| 1 | Draft | 27/04/18 | Anesu Chivenga |  |