

4.3 CP Form

Change Proposal – BSCP40/02	CP No: CP1482 <i>Version No:</i> <i>(mandatory by BSCCo)</i>
Title (mandatory by originator) Upgrade of NHHDA and EAC/AA systems from Oracle 11g to version 12c	
Description of Problem/Issue (mandatory by originator) The current versions of NHHDA and EAC/AA applications that ELEXON provides to Party Agents run on Oracle 11g, for which Oracle Corporation will withdraw application support in 2018. Party Agents have requested a 12 month lead time to be able to implement the upgrade, with early notification allowing them	
Proposed Solution (mandatory by originator) Upgrade EAC/AA and NHHDA to the latest available version of Oracle 12c. Where possible, leverage cost savings by aligning with ELEXON's planned update to BSC central systems.	
Justification for Change (mandatory by originator) As the current version of Oracle is not expected to be supported beyond 2018, if problems were then encountered with the database products, they could not be resolved without recourse to an upgrade, which in turn could not be completed within a reasonable timeframe. Any proposed workaround may not resolve the issue and the only solution would be a full Oracle upgrade. While there is a low probability of this risk occurring, it could have a significant impact on Settlement. After consultation with the Software Technical Advisory Group (STAG), we feel it is important to begin the upgrade now to give Party Agents sufficient time to implement. Upgrading the NHHDA and EAC/AA systems to run on Oracle 12c would ensure compatibility with the latest fully supported Oracle release. As a consequence, the upgrade would have a number of material benefits for both the developer and users of this software: 1) Maintain full vendor support service for both developer and users of the applications; 2) Minimise risk of being unable to take advantage of any defect fixes and other enhancements made available by the vendor; 3) Minimise reliance on reduced vendor support service for both developer and users; and 4) Minimise cost of vendor support for both developer and users. The upgraded version of the NHHDA and EAC/AA systems will maintain compatibility with the latest fully supported Oracle Forms release for both server and client components.	

<p>To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code? (mandatory by originator)</p>
<p>Estimated Implementation Costs (mandatory by BSCTCo)</p> <p>£28,403 plus 20 Working days of ELEXON effort estimated at £4700</p>
<p>Configurable Items Affected by Proposed Solution(s) (mandatory by originator)</p> <p>EAC/AA and NHHDA Software and supporting Software Documents.</p>
<p>Impact on Core Industry Documents or System Operator-Transmission Owner Code (mandatory by originator)</p> <p>No identified impact</p>
<p>Related Changes and/or Projects (mandatory by BSCTCo)</p> <p>Upgrade of BSC Central Systems to Oracle 12c (internal change, no enabling CP required)</p>
<p>Requested Implementation Date (mandatory by originator)</p> <p>Delivery proposed for either the November 2017 or February 2018 BSC Systems Release. Party Agents will then have a further six months to go live with the software. If delivered as part of the November 2017 release, Party Agents will need to be live by June 2018. If delivered as part of the February 2018 release, Party Agents will need to be live by no later than November 2018.</p> <p>Reason:</p> <p>These targeted release dates would ensure uninterrupted support by allowing Party Agents to implement by mid-2018 at the latest. It also allows ELEXON to upgrade its own AMDev environment alongside the planned upgrade to BSC Central Systems in H2 2017. Finally, it will allow Party Agents at least six months from delivery of the software for them to go live.</p>
<p>Version History (mandatory by BSCTCo)</p>
<p>Originator's Details:</p> <p>BCA Name: <i>Nanu Miah</i></p> <p>Organisation: <i>ELEXON Ltd.</i></p> <p>Email Address: nanu.miah@elexon.co.uk</p> <p>Telephone Number: <i>020 7380 4350</i></p> <p>Date: <i>3 November 2016</i>.....</p>

Attachments: N (If Yes, No. of Pages attached:)

(delete as appropriate)

Appendix 1: Summary table for all software components impacted by this CP

#	Technology	Type	Baseline Version	Target Version	Pre-reqs
1	Oracle RDBMS	Database Server	11g R2	v12.2.1.1.0	Oracle Solaris v11
2	Oracle Fusion Middleware: Forms and Reports (inc. PL/SQL libraries)	Middleware	11.x	v12.2.1.1.0	Oracle JDK 8
3	Oracle Fusion Middleware: Web logic Server	Middleware	11.x	v12.2.1.1.0	Oracle JDK 8
4	Oracle JDK	Development environment	v7	v8	-
5	Microsoft Windows Server	Operating System	2012	2012 R2	-
6	Oracle Solaris	Operating System	v10 (5.10)	v11 (5.11)	-

The information in the above table was obtained from this Oracle Support document:

<http://www.oracle.com/us/support/library/lifetime-support-middleware-069163.pdf>

4.4. CP Form Guidelines

These guidelines are to be used to assist in the completion of the CP Form, given in Appendix 4.3. The guidelines state who should complete each item on the form and whether it is mandatory or optional. They also give a brief description of the information that should be given for each item. For further guidance please contact your BCA/PACA.

- **Title** – mandatory completion by originator – title of Change Proposal.
- **CP No.** – mandatory completion by BSCCo – unique number allocated for each individual CP in the Change Management System.
- **Version No.** – mandatory completion by originator – when first submitted by the originator, the CP should have a version number of v0.1. Following discussions with BSCCo, any changes required following those discussions, the CP should be updated to v1.0. Should any further amendments/additions/deletions be required to the CP during its lifecycle, the version number should be updated to v2.0, v3.0, etc.
- **Description of Problem/Issues** - mandatory completion by originator - a statement of the issue/problem.
- **Proposed Solution(s)** – mandatory completion by originator – this is a single fully defined description of the proposed solution. For the following Configurable Items (Category 1) redlined changes must be included:
 - Balancing Settlement Code Procedures (BSCPs);
 - Business Definition Documents (BDDs);
 - Interface Design Document (IDD);
 - Party Service Lines (PSLs);
 - Codes of Practice (CoPs); and
 - Settlement Software Documents where describing physical interfaces.
- **Justification for Change** – mandatory completion by originator – details of the business case for implementing the proposed change. This section should also include a brief assessment of the risk associated with leaving the problem/issue unresolved, in terms of materiality and probability of occurrence.
- **To which section of the Code does the CP relate, and does the CP facilitate the current provisions of the Code?** – All CPs should be raised in line with BSC section F 3.1.2 ensuring that changes to CSDs and Configurable Items should continue to facilitate the provisions as detailed in the Code and should not impose new obligations or restrictions of a material nature on Parties and Party Agents (or classes thereof) which are not authorised or envisaged by, or subsidiary to, the rights and obligations of the Parties under the Code. As such the originator should highlight the section of the BSC that their proposed change is derived from and if the proposed Change facilitates the existing arrangements in the BSC.

- **Estimated Implementation Costs** – mandatory by BSCCo – These will be broken down into Central System Costs and BSCCo Operational Costs where appropriate.
- **Impact on Configurable Item(s)** – mandatory completion by originator – a list of all Configurable Items potentially affected by proposed solution. Details of how each Configurable Item will be affected should be included, if known, and redlining of Category 1 Configurable Items must be completed.
- **Impact on Core Industry Documents or System Operator – Transmission Owner Code** – mandatory completion by originator, however, BSCCo can advise if originator is unsure of all the impacts on documents – list of all documents potentially affected by proposed solution. These documents include any changes that will be needed to the DTC or other MRASCo Products. Details of how each document will be affected will also need to be included.
- **Requested Implementation Date and Associated Reasons** – mandatory by originator – identification of any critical milestone date(s) which need to be considered when generating possible solutions, with reasons for these. If change can be implemented at any time i.e. with no time constraints, this should be stated. This will be updated to the agreed Implementation Date once the Panel Committee has voted.
- **Version History** – mandatory completion by BSCCo – details of any previous versions of a Draft CP or details of what has changed between CP versions. If this is the first version then this will be indicated in this section.
- **Originator's Details** – mandatory by originator – the name, organisation, email address and telephone number of the originator and the date on which the originator raised the CP.