Change Proposal – F40/02 (Page 1 of 2)	CP No: 812 *(mandatory by BSCCo)*

Title *(mandatory by originator)*

Improvements to SVAA LLFC Closure Performance When Loading MDD Files

Description of Change *(mandatory by originator)*

MDD files are processing slowly due to there being no index to speed up the query that is run when closing LLFCs.

Proposed Solution(s) (*mandatory by originator)*

The MDD Load performance could be improved by:

- Building a table in memory of all the LLFC and their maximum held date in the LLF table. The code would be modified to use this table held in memory rather than searching the whole of the LLF table held in the SVA database.

- The memory table would only be built when the load MDD code detects a new LLFC closure for the first time. This would mean that if the MDD file being loaded did not contain any new LLFC closures, no performance degradation would occur as a result of building the memory table.

Justification for Change *(mandatory by originator)*

The change would not improve the performance of the LLFC closure facility through the front-end screen but would remove the need to use the front-end feature. Currently, if the MDD files contain a number of LLF closures, Cap Gemini Ernst & Young (CGE&Y) have to arrange for the load to take place over a weekend and charge ELEXON for the overtime required to achieve this. CGE&Y also overcome the problem by making manual adjustments which introduces the risk of errors. The proposed change would avoid the need for weekend working or manual intervention.

Other Configurable Items Potentially Affected by Proposed Solution(s) (*optional by BSCCo)*

ISRA System Management Guide

ISRA Installation Guide

ISRA Conceptual Process Model

ISRA Technical Specification

Impact on Core Industry Documents *(optional by originator)*

None

Related Changes and/or Projects *(mandatory by BSCCo)*

None

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Attachments: No   (If Yes, No. of Pages attached:……….)
(delete as appropriate)