

Change Proposal – F40/01 (Page 1 of 2)	CP No: CP855 <i>(mandatory by BSCCo)</i>
Title <i>(mandatory by originator)</i> Processing of MIL/MEL Messages in Sequence Number Order by BMRS	
Description of Change <i>(mandatory by originator)</i> Currently the BMRS processes messages received from NGC as soon as they are received in accordance with their Service Level Agreement and the BMRA User Requirement Specification. A problem has been identified with processing files in this manner which from time to time affects the processing of Gate Closure Files and Re- Declarations of MIL and MEL. There are two types of MIL and MEL files that are sent by NGC – the initial values which arrive just after Gate Closure and contain values for all BM Units for the Gate Closure Settlement Period only; and MIL/MEL Re-declarations for individual BM Units, which can contain values for any period from Gate Closure to the current period. Because it can take longer for a Gate Closure file to be constructed by NGC than for a Re-declaration, a Re-declaration file which is received by NGC just after Gate Closure can be received by the BMRS before the Gate Closure file to which the Re-declaration applies. When a Re-declaration file is received by the BMRS before the corresponding Gate Closure file has been processed, the Re-declaration file can be overwritten by the Gate Closure file and the data lost.	
Proposed Solution(s) <i>(mandatory by originator)</i> In order to prevent this problem occurring it is proposed that the BMRS process these files in sequence number order as opposed to when they are received. This is a fundamental change in the processing of BMRS messages received from NGC, but is only necessary for MIL/MEL files. The sequence number is already assigned to the file by NGC, but is not currently checked by the BMRS because of the over-riding priority of processing files as soon as they are received. In addition, at present it is possible for a Re-declaration file to have an earlier sequence number than the Gate Closure file to which it applies. To achieve the required sequence of processing, it is proposed that the following changes are incorporated ELEXON Change in Logica Service Levels to allow for the processing of files in sequence number order LOGICA 1. Software change to process MIL/MEL files received from NGC in sequence number order 2. Change supporting procedures to deal with operational problems e.g. files out of sequence (in the same way as is currently done for files from sources other than NGC) NGC NGC to change software to allow the allocation of sequence numbers at the beginning of the Gate	

Closure job, to ensure that a Re-Declaration always has a later sequence number than the corresponding Gate Closure file.
Justification for Change (<i>mandatory by originator</i>) Preventing the loss of MIL and MEL Re-declarations and an improvement in BMRS data quality.
Other Configurable Items Potentially Affected by Proposed Solution(s) (<i>optional by BSCCo</i>)
Impact on Core Industry Documents (<i>optional by originator</i>)
Related Changes and/or Projects (<i>mandatory by BSCCo</i>) None
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