| Change Proposal – F40/02 (Page 1 of 2) | CP No: 586 *(mandatory by BSCCo)* |
|---|---|

**Title:** Notification of Files where decryption has failed

## Description of Change

If a participant sends in a file that fails in decryption, then no error message is returned.  The only way of detecting the problem is that the expected acknowledgement for the file does not arrive.  In such cases it is not possible for the NETA Central Systems to generate an automatic NACK (Not Acknowledged) because the necessary information cannot be extracted from the file to trigger such a process.

The required change is to modify PowerSec to generate a simple "free text" NACK by inferring the identity of the sending participant from the file name and the directory name. This process will alert the owner of the directory that an undecryptable file has arrived.

This CP will allow Workaround W012 to be withdrawn – copy attached  (Note that this Workaround was not implemented because PowerSec is unable to generate an email message as described in W012).

## Proposed Solution(s)

A version of PowerSec that produces a "free text" NACK for files that fail decryption and sends this to the owner of the directory where the undecryptable files arrived.

## Justification for Change

This change was proposed by the NETA Programme.  ELEXON undertook to take this forward after Go Live.

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

None

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

None

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

None

| Change Proposal – F40/01 (Page 2 of 2) | CP No: *(mandatory by BSCCo)* |
|---|---|

*Originator's Details:*

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*Organisation*  ELEXON

*Email Address*  cliff.coates@elexon.co.uk

*Date*  18th May 2001

*[BSC Panel Representative]*……………………………………………

*Organisation*……………………………………………………………………….

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

| NETA Programme Workaround Form | |
|---|---|
| **Workaround Number:** W012 | **NCR, Problem or Issue #:** Issue 128 |
| **Workaround Name:** Handling of "undecryptable files" | **Status:** <u>Under Development</u>   In Use   Closed |
| **Identified By:** Alistair Green | **Date Submitted:** 22<sup>nd</sup> February 2001 |
| **CDA Owner:** Alan Bateman | **Expected Implementation Date:** |

**Description of Problem:**

If a participant sends in a file which fails in decryption, then no error message is returned. The only way of detecting the problem is that the expected acknowledgement for the file does not arrive. It is not currently possible for the NETA Central Systems to generate a NACK because the necessary information can't be extracted from the file, because the file can't be decrypted.

**Cause of Problem:**

At the moment all that happens is that the file's failure is entered into the log files for PowerSec.

Logica's long term plan, as described in OR4729 proposes to generate a NACK automatically by using the directory name (which identifies the probable sender, or at least someone who needs to know what has happened) and the file name to construct a simple "free text" NACK. This would however require an amendment to PowerSec and could not be implemented in time for go-live.

Logica currently intend to use a custom application being deployed at the moment to read and parse the error log and display failures on a screen, and use PowerSec to e-mail an operator with the filename and participant identity. Unfortunately mailing the operators is of limited utility since they are only present during normal working hours, so any failure outside these hours would go unremarked!

**Description of Proposed Workaround:**

The proposed workaround is to use the email interface in PowerSec to send an email to the HelpDesk as well as to the operators as the Helpdesk is staffed around the clock.

The Helpdesk staff could then use their contact lists to get in touch with the participant directly. This would enable the participant to commence an investigation as to the cause of the problem.

**Confirmation of testing carried out on Proposed Workaround:**

**Any specified constraints on the application of Proposed Workaround:**

| **Resolution NCR Number:** | **Expected Workaround Removal Date:** |
|---|---|
| | |

**Operational Impact Assessment(s):**

| Elexon | |
|---|---|
| LRCA | |
| Logica | |
| NGC | |
| EPFAL | |
| CaSM | |
| Testing | |

| | | |
|---|---|---|
| Pre-production | | |
| Data Aggregation | | |
| Participants | | |
| | | |
| **Initial Commercial Assessment** | | |
| Logica | | |
| EPFAL | | |
| | | |

| Distribution List: | Required: | Date sent: |
|---|---|---|
| Elexon | | |
| LRCA | | |
| Logica | | |
| EPFAL | | |
| NGC | | |
| Testing | | |
| Pre-production | | |
| Data Aggregation | | |
| CaSM | | |
| Participants | | |
| Web-site | | |
| | | |

| Deliverables Impacted | |
|---|---|
| Product: | Version: |
| | |
| | |