**NANC 280**

**Clarification for Notification Recovery Limitation**

**Origination Date :**04/19/1999

**Originator:**TSE

**Description:**

A notification recovery limitation was not implemented with ILL-79.  It has been requested that a change order be opened to implement a “criteria-too-large” response for requests beyond a record limit.

A new tunable for number of notifications will be added.

Name = MaxNotificationRecovery

Desc **=** Maximum Number of Download Notifications

Default Value = 2000

Units = records

Valid Range = 1 – 2000

Processing Steps for this Change Order:

1. The Service Provider system sends a notification recovery request to the NPAC.
2. The NPAC retrieves the records that match the requested criteria, and compares the number to the current tunable value.
3. If the number of records exceed the tunable value, a NetworkNotificationRecoveryReply is returned to the SP system with the status field populated with values 3, signifying “criteria-too-large”.  No notifications will be included with this reply.

When an SP system sees this response, the suggested behavior is to reduce the time range requested in the notification recovery action and re-issue the request.

**Final Resolution:**

May LNPAWG (Baltimore), the group discussed this change order, and requested that a write-up be provided for the next meeting.

June LNPAWG (San Ramon), discussed the issue from Jim Rooks (during 2.0 testing, discovered that stack limitation caused problems if notifications are greater than 2000).

Jim to take an action item to check into the timestamp issue if a large port is taking place and the old SP is down, then needs to recover at a later time (i.e., is this a similar problem to 279/285).

Jim’s response:

The timestamp that is used for notification recover is set when the message is sent from the NPAC router.  Therefore, there shouldn't be a problem with more that 2000 for a single service provider having the same timestamp (since this is currently not possible).

It should also be noted that the implementation of linked-replies (NANC 186) alleviates the problem described in this change order.

Jul LNPAWG (Ottawa), the processing steps are accepted.  It should be noted that this change order is not backwards compatible.

**Related Release:**

2.0.2

**Status:** Implemented