VERSION 4.2 RELEASE GUIDE

The Network Director

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Introduction

The Network Director's Version 4.2 Release Guide is intended to provide installations utilizing Version 4.1 or a derivative with information pertinent to the conversion from prior versions to Version 4.2. Conversion to Version 4.2 does **not require** any major adjustment for existing installations.

Version 4.2 is an upgrade and maintenance release of the nucleus of The Network Director and associated environments. The major areas that have received attention in this release are:

Administrative Support for Measured Usage License Charges (MULC). Fully complies with the published IBM Year2000 initiative. Updated environment (MVS, VM) variables for a variety of version and release identifiers.

Flexibility Implementation of the dynamic Group assignment mechanism

Support Availability via the Internet's World Wide Web, a variety of services designed to make The Network Director more supportable and easier to maintain (PTFs, publications, licensing and marketing materials)

SSI Updated executable routines and documentation for recent releases of CICS, IMS, and VMSECURE interfaces

The remainder of this document describes these items in detail. Please review this document in its entirety prior to installation of Version 4.2. Check the "Conversion Checklist" on page 23 for recommended procedures when installing the new version.

Configuration Parameters

The following items have been introduced or modified for this release of The Network Director associated with the configuration parameters.

Common Operands

The following ATTRIBUTES modifications apply to the GROUP, USER, and TERMINAL definitions.

GROUP|USER|TERMINAL

  [ATTRIBUTES=({NEWS-CREATION,NO-NEWS,NEWS-ALL-LOGON,
            NEWS-ONLY-ONCE}, ...)

Figure 1. The GROUP, USER, and TERMINAL ATTRIBUTES Operand

---

where:

ATTRIBUTES

The ATTRIBUTES operand indicates specific processing characteristics associated with a network element that is associated with the corresponding definition element. The Network Director will utilize the ATTRIBUTES operand that is related to the "most detailed" definition element that applies to the network element.

Valid settings are:

NEWS-ALL-LOGONS the NEWS panel should be delivered to the applicable network elements every time a user logs on to the system

NEWS-CREATION the related network elements are authorized to create the NEWS message

NEWS-ONLY-ONCE the NEWS panel will be delivered to each unique user only one time (this requires the presence of the External File for tracking across executions of The Network Director)

If you set this ATTRIBUTE on a GROUP definition, it must be the default GROUP for the network element (TERMINAL or USER) or the NEWS characteristic will not operate.

NO-NEWS   the NEWS message is not to be delivered to a network element
          associated with the definition

GROUP

The following changes apply to the GROUP Configuration Parameter.

GROUP

 [<u>ATTR</u>IBUTES=({NEWS-CREATION,NO-NEWS,NEWS-ALL-LOGON,
       NEWS-ONLY-ONCE}, ...)

Figure 2. New or GROUP TERMINAL Operands

---

where:

ATTRIBUTES

See "Common Operands" on page 3 for a detailed discussion of the ATTRIBUTES
settings and their meanings.

TERMINAL

The following changes apply to the TERMINAL Configuration Parameter.

```
TERMINAL

  [ ATTRIBUTES=({NEWS-CREATION,NO-NEWS,NEWS-ALL-LOGON,
                NEWS-ONLY-ONCE}, ... )
  [ GROUPS=(alpha-value, ... ) ]
```

Figure 3.   New or Modified TERMINAL Operands

where:

ATTRIBUTES

See "Common Operands" on page 3 for a detailed discussion of the ATTRIBUTES settings and their meanings.

GROUPS

The GROUP operand has been renamed to the "GROUPS" operand to allow the installation to identify a "list" of Network Director Groups that the device may join via the new Network Director GROUP command (see "GROUP" on page 7 for additional information about how this mechanism works).

USER

The following changes apply to the USER Configuration Parameter.

USER

  [<u>ATTR</u>IBUTES=({NEWS-CREATION,NO-NEWS,NEWS-ALL-LOGON,
                 NEWS-ONLY-ONCE}, ...)
  [<u>G</u>ROUPS=(alpha-value, ...)]

Figure 4.   New or Modified USER Operands

---

where:

ATTRIBUTES

See "Common Operands" on page 3 for a detailed discussion of the ATTRIBUTES settings and their meanings.

GROUPS

The GROUP operand has been renamed to the "GROUPS" operand to allow the installation to identify a "list" of Network Director Groups that the user may join via the new Network Director GROUP command (see "GROUP" on page 7 for additional information about how this mechanism works).

Commands

This version of The Network Director includes support for the following new commands. These commands may be entered on the standard Network Director Command line or via the internal TNDCMD application.

GROUP

The new **GROUP** command permits the terminal user to dynamically change The Network Director GROUP he/she is a member of without affecting the logon status of the network element. Prior releases of The Network Director made GROUP assignment at the time that the terminal user became "active" within The Network Director. This is either when the device is activated (IDENTIFICATION=NO) or when the user logs on (IDENTIFICATION=YES).

Syntax

The Network Director now allows the terminal operator to invoke the GROUP command to change the current GROUP assignment. The command syntax is:

```
        GROUP {desired-group}
```

The "desired-group" may be any group name listed in the applicable USER or TERMINAL GROUPS= operand. If the terminal operator enters an authorized GROUP name, the Application Selection Panel will be reconstructed utilizing the characteristics of the new GROUP and message TND0833 is written to the LOG and the affected device.

If the terminal operator requests a GROUP that is not authorized via the applicable GROUPS= operand, TND0832 is issued and the current GROUP remains unaffected.

The terminal operator may request that The Network Director return to the default GROUP by simply entering the GROUP command with no operand value.

Example

To illustrate how the new GROUPS logic and GROUP command may be useful, consider the following Configuration Parameters:

```
APPLICATION CICS1,TARGET=CICS001,TITLE='CICS One'
APPLICATION CICS2,TARGET=CICS002,TITLE='CICS Two'
APPLICATION CICS3,TARGET=CICS003,TITLE='CICS Three'
APPLICATION TOCICS,TARGET=TOCICS,TITLE='To CICS Menu',
        INITIAL-DATA=('GROUP CICS')
*
APPLICATION IMS1,TARGET=IMS001,TITLE='IMS One'
APPLICATION IMS2,TARGET=IMS002,TITLE='IMS Two'
APPLICATION IMS3,TARGET=IMS003,TITLE='IMS Three'
APPLICATION TOIMS,TARGET=TOIMS,TITLE='To IMS Menu',
        INITIAL-DATA=('GROUP IMS')
*
GROUP IMS,APPLICATIONS=(IMS1,IMS2,IMS3,TOCICS)
GROUP CICS,APPLICATIONS=(CICS1,CICS2,CICS3,TOIMS)
GROUP USERS,APPLICATIONS=(CICS1,IMS1,TOCICS,TOIMS)
*
USERS ++++++++,GROUPS=(USERS,IMS,CICS)
```

When an individual signs on that is successfully pattern matched with the USERS definition (in this example, everyone will match), they are immediately assigned to the default GROUP of USERS (the first GROUP in the list of GROUPS operands).
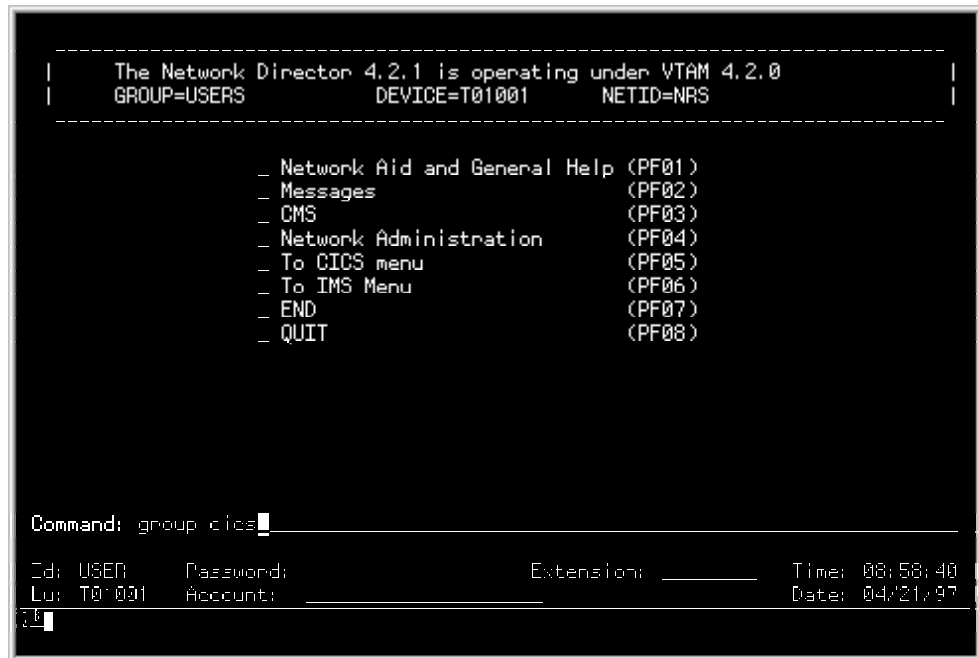

Figure 5.   USERS GROUP Application Selection Panel

The terminal user can change to a menu consisting of only CICS applications by entering the command "GROUP CICS" or pressing the function key associated with the TOCICS choice on the Application Selection Panel. The CICS GROUP includes the three defined CICS systems, as well as a choice to select a menu of IMS applications.

```
  ------------------------------------------------------------------
|      The Network Director 4.2.1 is operating under VTAM 4.2.0      |
|      GROUP=CICS              DEVICE=T01001        NETID=NRS         |
  ------------------------------------------------------------------

                    _ CICS One                    Down
                    _ CICS Two                    Down
                    _ CICS Three                  Down
                    _ Network Administration      (PF04)
                    _ To IMS Menu                 (PF05)
                    _ Network Aid and General Help (PF06)
                    _ END                         (PF07)
                    _ QUIT                         (PF08)




Command: _
Your Group has been changed from USERS to CICS
Id: USER      Password:                Extension: _____    Time: 09:01:40
Lu: T01001    Account:  _____          Date: 04/21/97
```

Figure 6.   CICS GROUP Application Selection Panel

With a little planning, this mechanism can be used to divide your logical applications into
a variety of collections (GROUPS) that can make your network much easier to utilize.

RELEASE

The following changes apply to the RELEASE operator command:

```
RELEASE

  [ HELD-DEVICES ]
  [ HELD-APPLS ]


```

Figure 7.   New or Modified RELEASE Operands

where:

HELD-DEVICES

The **HELD-DEVICES** operand is the same as prior versions HELD operand. That is, any network elements that are current in Operator Hold status will be released.

HELD-APPLS

The **HELD-APPLS** operand permits the Network Administrator to release all Applications in Held status with a single command. Upon completion of the command, all Applications will be in a "ready for status" state. Their actual status will be set according to the related Network Director STATUS operand.

Miscellaneous Items

The following miscellaneous items have also been included in this release.

Distribution Tape

Prior releases of The Network Director have included the DCF source for the publications as file 4 (OS) and File 9 (VM). The Page Segments used to include the graphical elements were included as File 5 (OS) or File 9 (VM). BookManager suitable files were delivered as File 10.

With the implementation of the NRS Web Site (see "Publications" on page 21), the DCF source code and BookManager formats are no longer included on the distribution tape. If your installation has a requirement for the DCF source or the BookManager format, please contact your NRS Representative to arrange for a customized delivery of the necessary elements.

DOS Installation Library

The distribution library (physical file 10 on the distribution tape) continues to be generated via a LIBR BACKUP function, but has been reorganized for this release of The Network Director. The DOS Library now contains the following sublibraries:

Sublibrary	Contents
MACLIB	contains the source code for The Network Director's Assembler macros necessary to assemble Network Director exits, etc.
MISC	the various source code files associated with SSI modifications, sample Job Control, etc.
OBJECT	non-executable .OBJ files required to link edit The Network Director, which is normally not necessary (The Network Director's executable PHASE has been catalogued during library creation in the PROGRAMS sublibrary)
PROGRAMS	the executable core image PHASEs necessary to operate The Network Director
SOURCE	the various source code files associated with NRS provided sample exits, SSI modifications, and other assorted examples

| Please remember that The Network Director is distributed from time to time as a complete replacement VSE Library. Do NOT place any elements into a Network Director Sublibrary that you do not wish to have overlaid.

Measured Usage License Charge Support

This release of The Network Director supports IBM's Measured Usage License Charges mechanism for measuring the number of Service Units used by The Network Director in servicing your users. This support is described in the IBM Publication *MVS/ESA Support for Measured Usage License Charges* (document number GC28-1098) and requires MVS/ESA 3.1.3 or higher with applicable maintenance applied.

License Fees

The Network Director is normally licensed to a processor based upon Model Group. Some installations may prefer to pay license or maintenance fees based upon the activity levels of The Network Director. This is a recognition that The Network Director may be used for a small portion of a larger network on a large processor where the full Model Group fee may not be appropriate (i.e. the full Model Group fee does not reasonably reflect the "value received" from running The Network Director on the identified processor).

IBM's introduction of MULC is an effort to allow the value of the use of a particular software product follow the actual usage levels of the software instead of simply licensing the product to a given machine's total capacity.

Whether you choose to measure The Network Director's consumption or convert an existing license to MULC is a decision that is completely up to each individual installation. The remainder of the description of the MULC in this manual describes only the technical aspects of The Network Director's operations. To make use of MULC as a billing mechanism, please contact your NRS Sales Representative for the applicable information and fee schedules.

IFAUSAGE

When this version of The Network Director initializes in MVS/ESA systems, it issues the appropriate SVC (IFAUSAGE) to initiate MVS/ESA collection of product based consumption via SMF.[1] When it initiates (REGISTERs) as a software product, The Network Director sets the following MULC operand values:

DOMAIN   MVS will measure the consumption of all activity that occurs in The Network Director's Address Space

PRODID   the literal value "TND"

PRODOWNER the literal value "NRS, Inc."

PRODNAME   the literal value "Network Director"

PRODQUAL   the value of GLOBALS APPLID=

PRODVERS   the five characters the make up The Network Director's Version number in the form "n.n.n"

After the data has been collected you can measure the relative consumption of processor resources by The Network Director by executing IFAURP to process the collected SMF records.

---

[1] This information is collected into Record Type 89 by SMF and is available for subsequent processing by IFAURP.

New Variables

The Network Director now supports the following variables:

DATEC includes the full 4 digit year (century included) in the current date. The DATE-FORMAT operand controls where exactly the century appears as follows:

DATE-FORMAT	*&DATEC Result*
yymmdd	yyyy/mm/dd
mmddyy	mm/dd/yyyy
ddmmyy	dd/mm/yyyy

TNDLOG Page Heading

This version of The Network Director has reformatted the first line of each output page in the following general format:

```
--[1]------------ The Network Director [2] on [3] [4] [5] in [6] [7] [8]---------------Page [9]
```

where:

1. is the full Year 2000 date the page was started as controlled via GLOBALS DATE-FORMAT

2. is the version of The Network Director currently operational

3. identifies the CPU Model The Network Director is operating on

4. is the operating system related information describing the system generation level

5. is the current processor's CPUID

6. the VTAM NETID in which The Network Director is operating

7. the VTAM Domain in which The Network Director is operating

8. the VTAM Subarea in which The Network Director is operating

9. current page number in the TNDLOG output file

Debug Message Class

The Network Director divides all its messages into multiple "classes" of messages called General, Internal, Security, Change, and Response categories. This version of The Network Director has added a new class logically between Internal and General called the **Debug** class. This class (numeric value 90) contains messages that are not of general interest when The Network Director is operating normally and are not fully internal in nature.

TND0244 (INQUIRE being issued) and TND0837 (VTAM Return code interpretation) are the first two messages that have been added to this class.

OS Console Id

The Network Director's operating system console interface for MVS based systems uses SVC 35 to transmit output to the system operator's console.

This release of The Network Director now uses the CONSID operand of the newer WTO systems to support extended consoles. The applicable CONSID is extracted from the Communications Input Buffer (CIB) when input is received and used when the resulting output messages are issued from within the LOG processor.

Year2000 Statement

This release of The Network Director complies 100% with IBM's published Year2000 initiative. See *The Year 2000 and 2-Digit Dates: A Guide for Planning and Implementation* (GC28-1251) for additional information.

This version of The Network Director has actually added a few Network Director functions to permit installations that have strict Year2000 external requirements to take advantage of improved date handling. See "New Variables" on page 14 for specific details about these new functions.

Note: Earlier versions of NRS products are also Year2000 ready and comply with requirements that were in place when they were released. Network Director 4.1.0 **is Year2000** ready, but NRS recommends updating to 4.2 or later prior to century end.

NRS Web Site

North Ridge Software, Inc. now operates a dedicated Web Server dedicated to supporting NRS licensed locations at WWW.NRSINC.COM. This server is directly connected to the Internet and can be used to improve communications both directions between NRS and NRS licensed locations.
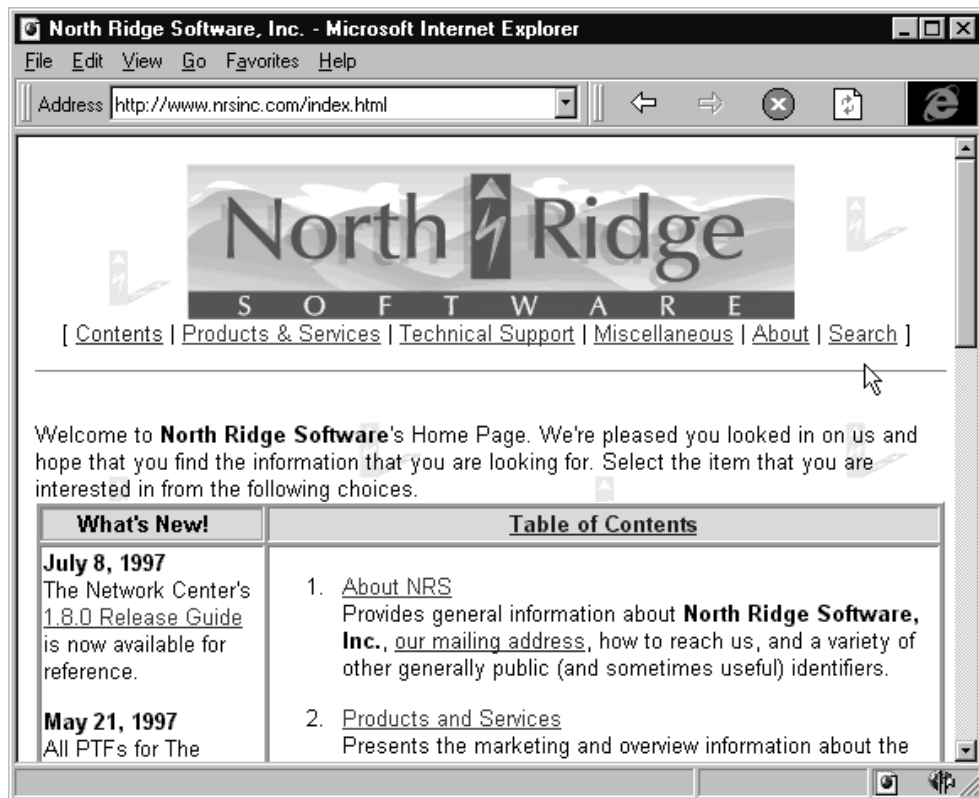
HTTP service is provided from the NRS Home Page at http://www.nrsinc.com/index.html, which has an appearance similar to:

Figure 8.   WWW.NRSINC.COM

Services offered by NRS to its clients associated with this server via the Internet are listed in the following paragraphs.

Mail Processing

You can communicate directly with NRS staff by sending mail to:

```
        userid@NRSINC.COM
```

Figure 9.   NRS Email Ids

Where:

userid   can be the first name of the individual you would like to communicate with. It can also be one of the following generic Email ids:

> **ACCOUNTING** questions, requests, or comments about any aspect of NRS invoicing processes
>
> **INFO**   requests for general information about North Ridge Software, Inc.
>
> **SALES**   any issue related to sales activities associated with NRS products
>
> **STAFF**   general items of interest to any staff member within NRS
>
> **SUPPORT**   accepts mail related to the technical support of any NRS software product
>
> **WEBMASTER** suggestions, requests, or observations associated with the NRS Web site or related issues

NRSINC.COM   is the North Ridge Software, Inc. registered Domain Name and must be specified as indicated

The NRS Mail Server supports all standard SMTP services, including the use of "attached files". If your mail package does not support the use of attached files, consider using FTP services to transfer and receive machine readable copies of files.

Marketing

The NRS Web Site contains marketing descriptions of all the NRS product offerings, which can be utilized to orient yourself to any NRS products that you may not be licensed for. This is also useful to use as a reference point for features in the products you may already have licensed.

Many of the "pages" contain conceptual charts and diagrams identifying how a particular NRS products operates, as follows:
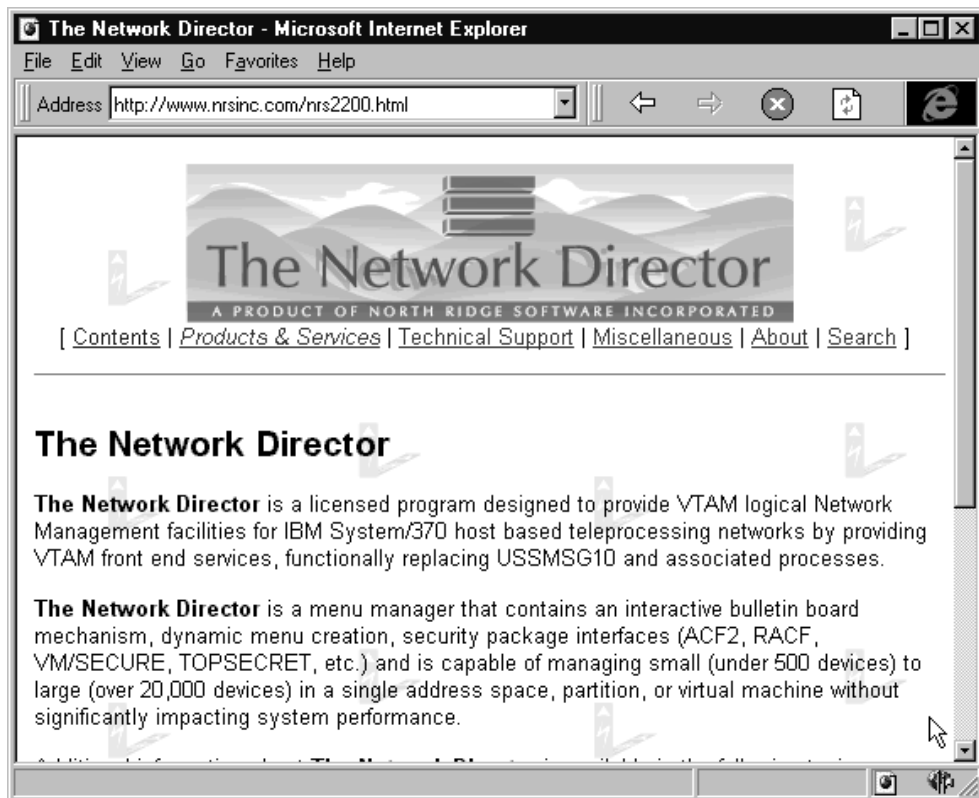
Figure 10.   Web Marketing Page

However, remember that these pages are general in view (that's our definition of "Marketing"). If you are looking for detailed information, see "Publications" on page 21)

License Fee Schedules

The current NRS License Fee schedules for our products are also available via the Web Site. The license fee schedules not only identify what the fees are associated with acquiring a new license, but also imply the annual maintenance fees

Figure 11. Web Based License Fee Schedule

Note: The actual invoice amounts may differ from what is listed if your installation has applicable Volume Discounts or Enterprise License arrangements.

Buckets

The NRSINC Web Page also contains the text for the current buckets for all supported releases of The Network Director and The Network Center available online. You can browse the actual contents of a particular bucket:
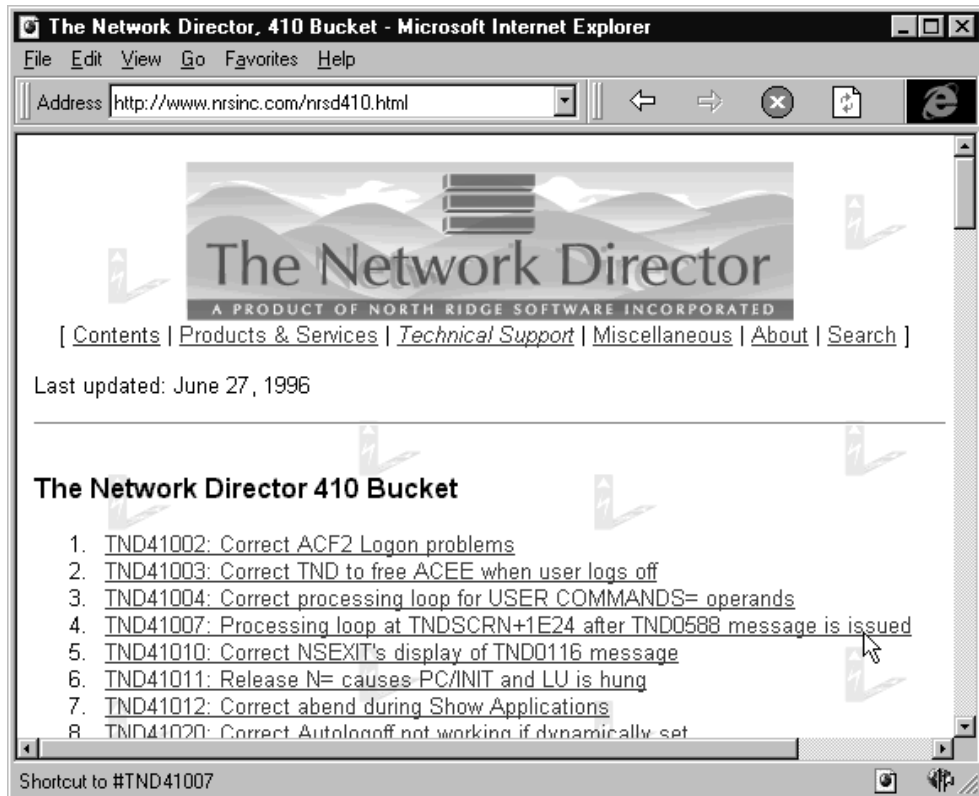
Figure 12. Web Based Network Director Bucket

It is also possible to use FTP (File Transfer Protocol) to obtain a copy of the applicable bucket from the NRSINC system at FTP.NRSINC.COM/NRSINC.

If you find that you have a need to FTP a file to NRS Technical Support, you may send files to FTP.NRSINC.COM/PUBLIC. Please use the applicable NRS APAR number as a portion of the FileName so that NRS can identify what the file relates to. It is also wise to send an Email message to the appropriate individual or function within NRS Technical Support to let them know you have uploaded a file that requires some type of action.

Publications

The more recent versions of the NRS product publications have also been converted to HTML for Web browsing. You can see the actual contents of the manuals without ever having the actual hardcopy.
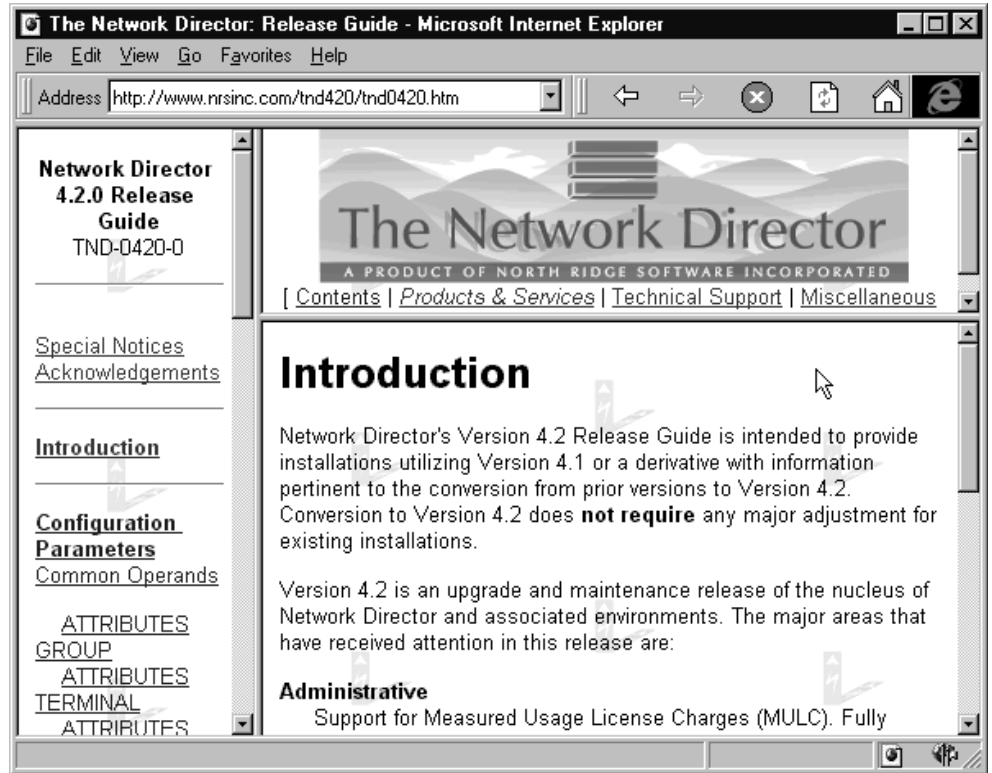

Figure 13.   Web Based Network Director Publication

These publications are a direct conversion of the DCF source that produces the hardcopy manuals and will replicate exactly what they contain (any errors contained in the hardcopy manuals will be replicated in the Web based versions). Keep in mind we try to update the publications regularly, but the Web based publications are intended to reflect the status of the publications at a specific point in time (watch the publication TNL level to identify a specific level of the publication).

Conversion Checklist

Version 4.2 has is generally upward compatible for all users unless you modify your usage of The Network Director to take advantage of newer features or options.

Additional education or orientation should be necessary only if you plan to take advantage of one or more of the added features.

Checklist Summary

The following figure can be used to guide you in your efforts to convert to Version 4.2 from a Version 4.1 system. The installation process of Version 4.2 has *not* significantly changed from a Version 4.1 install. Generally, the Configuration Parameters continue to be upward compatible.

Step	Task	Completed
1	Unload the distribution tape according to the Installation Guide (do not overlay any Version 4.1 or older libraries). Remember, the distribution tape has been reformatted.	
2	Contact NRS Technical Support or your local representative for any information in the *bucket* for your tape. You can contact NRS via: **Phone** 425/814-9000 **FAX** 425/823-9636 **Internet** support@nrsinc.com **Web** http://www.nrsinc.com/nrs3000.html	
3	Execute IDCAMS (REPRO REPLACE) to unload the new External File (the file is upward and downward compatible). NRS recommends that you copy the current production file and then REPRO REPLACE the new file into it.	
4	Re-assemble and link-edit any exits you may be using that are not replaced by a Version 4.2 function.	
5	Compare any PTFs that you have applied against the 4.1 nucleus (DISPLAY PTFS will show the list) against the contents of "Appendix B. PTFs" on page 27. Contact NRS Technical Support about any PTFs that are not included in this release.	
6	Evaluate the new options for use in your installation (GROUP, MULC, etc.).	
7	Test Version 4.2 independently of the production Version for proper parsing of the Configuration Parameters and proper operation.	
8	Prepare any documentation or memos required to inform your end users of the new features or operational differences that may impact them.	
9	Put Version 4.2 into production.	

Figure 14.   Installation Checklist

Appendix A. APARs

The following APARs (problem reports) have been addressed and/or resolved by one or more items included with this Version of The Network Director.

APAR	Description
NRS4573	Request to specifically authorize NEWS creation ability
NRS4699	Lu type1 devices should not get the news.
NRS4701	Request to propagate NEWS-ALL-LOGONS to USER, GROUP items
NRS5339	Request for NEWS-ALL-LOGONS at the USER level
NRS5825	IMS SSI with IMS 5.1 and national characters don't work properly
NRS5912	Support for turn of the century dates for Year 2000 and beyond
NRS5982	TND0236 (disabled device) message does not appear correctly
NRS6002	IMS U0757/U0513 after ACF2 signon failure after TND1339
NRS6004	VMXSTK0039E received from TNDVMS VERSION command as startup
NRS6028	RACF Password Expiration interval (GLOBAL/LOCAL) checked wrong
NRS6037	Application ADD doesn't initialize FDE-NAME correctly
NRS6043	ACF2 SSI signon receives back Default Userid on ASSIGN
NRS6062	IMS 4.1 DFSCNXA0 source code changed by PN69409
NRS6071	IMS ETO=M support for IMS 4.1 and SSI Usermod to DFSCNXA0
NRS6120	ACF2/CICS indicates "Userid too long" when NAME is 8 characters
NRS6133	S0C4 at TNDLGNX0+2B4 in IMS when non Director session started
NRS6137	CICS INITIAL-FUNCTION is invalid with SSI=INHERIT
NRS6138	ACF2/CICS 4.1 and TNDGMMSA get "signoff is complete" at signon
NRS6155	USER AUTHORIZATION= operand doesn't accept enough parameters
NRS6163	TNDUTIL DISPLAY S0C4s working with new External File

Appendix B. PTFs

The following PTFs were written after release of Version 410 and have been included as source modifications in Version 421.

PTF   Description
TND360M2 Change location of TND8nnn literals for VMSECURE 2.0C
TND370D8 Avoid updating DIRectory blocks that haven't been changed
TND370D9 Reset NIB2EDS at session establishment
TND370E0 Issue Simlogon after Clsdst when Clsdst failure
TND370E1 Handle INQUIRE 1453 the same as 144C
TND370E2 Collect the return code and feedback from INQUIRE APPSTAT
TND370E3 Validate that LU1 device output has a positive length
TND370E5 Release queued messages when Clean Up RU received
TND401A0 Detect variables in a LOGO beyond column 72
TND401A1 Correct abend S0C4 in TNDKEYS
TND401A3 Eliminate potential for STATUS-INTERVAL S0C9 after DISPLAY
TND401A5 Conditionally reset Id: and delete message on session restart
TND401A8 Honor Application Held status in TND0595 logic cycle
TND401A9 Free WAEBUF in TNDINPUT before RECEIVE ANY
TND401B0 Handle INQUIRE 1453 the same as 144C
TND401B1 Extend Command line to right edge of 80 character screen
TND401B3 Disable APPLICATION FDE-NAME= processing
TND401B4 Change location of TND8nnn literals for VMSECURE 2.0C
TND401B5 Adjust offsets for fields in TND8111 VMSECURE message
TND401B6 Insure password is upper case in SSI buffers
TND401B7 Honor Extension value in SSX to determine whether to LOGON
TND401B8 Handle VMXCMD0094S properly for VMSECURE 2.0c
TND401B9 Correct TND401B4 for proper processing of TND8109 response
TND401C0 Detect a zero length Broadcast Message during dynamic update
TND40179 Correct random abends after TNDSTOR message issued
TND40181 Activate HELP or INFO from Administration Command line
TND40182 Validate that LU1 device output has a positive length
TND40183 Correct problems in Show Aib when messages are issued
TND40184 Correct problems in Show Aib when messages are issued
TND40186 Correct problems in Show Aib when messages are issued
TND40188 Correct SSI storage accumulation when EXT12 RC[] 0
TND40189 Correct processing after ACF2 logoff when user in application
TND40190 Don't send TND0570 message if user not authorized for TNDMSG
TND40191 Correct TND to free ACEE when user logs off
TND40193 Release N= causes PC/INIT and LU is hung
TND40196 Correct "RESET" within ADMIN to reset monitor mode
TND40198 Correct abend when Message with no data is sent
TND41001 Blank fill empty variable names over 8 characters in length
TND41002 Correct ACF2 Logon problems

TND41003 Correct TND to free ACEE when user logs off
TND41004 Correct processing loop for USER COMMANDS= operands
TND41006 Correct Application status when using Status=ISTnnn
TND41007 Processing loop at TNDSCRN+1E24 after TND0588 message is issued
TND41008 Change session restart from 0831 sense to 082B
TND41010 Correct NSEXIT's display of TND0116 message
TND41011 Release N= causes PC/INIT and LU is hung
TND41012 Correct abend during Show Applications
TND41013 Correct Show application panel problems
TND41014 Correct abend in TNDOS after message TND0006 message is issued
TND41015 Reset selection screen attribute during VTAM LOGON exit
TND41016 Recognize IST453 as a final response to APPL STATUS= INQUIRE
TND41019 Correct TNDEXT05's placement in NRP62 for LU 6.2 sessions
TND41020 Correct Autologoff not working if dynamically set
TND41021 Correct TND0006 messages out of TNDDISP+DAC
TND41022 Post TND Main task immediately from LU 6.2 IRB code
TND41023 Correct abend S0C4 in TNDKEYS
TND41027 Correct ptf TND41008 to not cause PC/INI
TND41028 Change location of TND8nnn literals for VMSECURE 2.0C
TND41029 Correct RACFSTAT attribute to work
TND41032 IMS SSI Password with leading national characters fails logon
TND41033 Correct display of &K variable for values beyond 9
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