



**Program Directory for  
Network Terminal Option (NTO)**

Release 11

Program Number 5735-XX7

for Use with  
VSE/ESA

Document Date: October 1998

GI10-6555-00

**Note!**

Before using this information and the product it supports, be sure to read the general information under "Notices" on page v.

This program directory, dated October 1998, applies to Network Terminal Option Release 11 for VSE (NTO R11 VSE), Program Number 5735-XX7 for the following:

<b>CLC</b>	<b>Feature Numbers</b>	<b>System Names</b>
B1K	5799/7408/7409	VSE/ESA

and to all subsequent releases and modifications until otherwise indicated in new editions.

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## 1.0 Introduction

This program directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of NTO R11 VSE. You should read all of this program directory before installing the program, and then keep it for future reference.

In addition to this introductory section, the program directory contains the following sections:

- 2.0, "Program Materials" on page 3 identifies the basic and optional program materials and documentation for NTO R11 VSE.
- 3.0, "Program Support" on page 7 describes the IBM support available for NTO R11 VSE.
- 4.0, "Program and Service Level Information" on page 9 lists the program and service level information incorporated into NTO R11 VSE.
- 5.0, "Installation Requirements and Considerations" on page 11 identifies the resources and considerations for installing and using NTO R11 VSE.
- 6.0, "Installation Instructions" on page 13 provides detailed installation instructions for NTO R11 VSE.
- Appendix A, "APARs Incorporated into this Program" on page 15 lists the APARs incorporated into NTO R11 VSE.

There is no longer a separate generation sublibrary. The generation sublibrary is now contained in the production sublibrary.

Before installing NTO R11 VSE, read Section 3.1, "Preventive Service Planning" on page 7. This section tells you how to find any updates to the information and procedures in this program directory.

In the back of this program directory you will find a Reader's Comment Form. Please take the time to fill out this form and return it to the address shown. Responses to this form are used to make product installation easier in future releases of the product.





---

## 2.0 Program Materials

An IBM program is identified by a program number and a feature code. The program number for NTO R11 VSE is 5735-XX7. Feature numbers associated with this release are provided in the following sections.

The program announcement material describes the features supported by NTO R11 VSE. Ask your IBM marketing representative for this information, if you have not already received a copy.

The following sections identify:

- Basic and optional program materials available with this program.
- Program publications
- Program source materials
- Publications useful during installation.

---

### 2.1 Basic Machine-Readable Material

This section describes the basic machine-readable material for NTO.

The distribution medium for this program is a 9-track magnetic tape (written at 6250 bpi), a 3480 cartridge, or a 4 mm cartridge. The tape or cartridge contains all the programs and data needed for installation. NTO R11 VSE is installed using MSHP. See section 6.0, "Installation Instructions" on page 13 for more information about how to install the program.

Figure 1 describes the tape or cartridge.

*Figure 1. Basic Material: Program Tapes*

---

<b>Medium</b>	<b>Feature Number</b>	<b>Physical Volume</b>	<b>External Label Identification</b>
4 mm cart.	5799	1	NTO R11 VSE
6250 tape	7408	1	NTO R11 VSE
3480 cart.	7409	1	NTO R11 VSE

---

Figure 2 describes the file content of the program tape or cartridge.

*Figure 2. Program Tapes: File Content*

---

<b>File</b>	<b>Name</b>
1	Header
2	Product ID & History file
3	Product Production Libraries

---

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## 2.2 Optional Machine-Readable Materials

There are no optional machine-readable materials for NTO R11 VSE.

---

## 2.3 Program Publications

The following sections identify the basic, optional, and associated publications for NTO R11 VSE.

### 2.3.1 Basic Program Publications

Figure 3 identifies the basic program publications for NTO R11 VSE. One copy of each of these publications is included when you order the basic materials. For additional copies, contact your IBM representative.

*Figure 3. Basic Material: Unlicensed Publications*

Publication Title	Form Number
NTO Planning, Migration, and Resource Definition Guide	SC30-3347
NTO Licensed Program Specifications	GC38-0299

### 2.3.2 Optional Licensed Program Publications

Figure 4 identifies the optional licensed program publications for NTO R11 VSE. The first copy is available at no charge to licensees of the basic material by ordering the 7xxx Feature Number. Order additional copies using the 8xxx Feature Number. A fee is charged for additional copies.

*Figure 4. Optional Material: Licensed Publications*

Publication Title	Form Number	Feature Number First Copy	Feature Number Additional Copy
NTO Diagnosis	LY30-3194#	7046	8323

**Note:** A number sign symbol (#) beside the Form Number indicates it contains "Restricted Materials of IBM."

### 2.3.3 Softcopy Publications

All NTO manuals, licensed and unlicensed, except for *Licensed Program Specifications*, are offered in displayable softcopy form on the media listed in Figure 5.

Figure 5. Softcopy Publications

Title	Form Number	Feature Number First Copy	Feature Number Additional Copy
ACF/NCP, ACF/SSP, EP, NPSI, and NTuneMON Softcopy Collection Kit (CD-ROM)	LK2T-0414#	7110	8110

**Note:** Order this collection kit under the NCP product. (It is not orderable under NTO.) A number sign symbol (#) beside the Form Number indicates it contains "Restricted Materials of IBM."

## 2.4 Program Source Material

Microfiche is not provided with NTO R11 VSE. Customers with access to View Program Listings (VPL), such as through SoftwareXcel Extended, can access program listings formerly provided through microfiche.

Those customers without access to VPL can contact their IBM representative.

The VPL facility provides online viewing of program listings that are available to customers.

## 2.5 Publications Useful During Installation

The publications listed in Figure 6 may be useful during the installation of NTO R11 VSE. To order copies, contact your IBM representative. A fee is charged for each publication.

Figure 6. Publications Useful During Installation

Publication Title	Form Number
VSE/ESA V2R2 Planning	SC33-6603
VSE/ESA V2R3 Planning	SC33-6603
VSE/ESA V2R1 Installation	SC33-6604
VSE/ESA V2R1 Administration	SC33-6605
VSE/ESA V2R1 Operation	SC33-6606
VSE/ESA V2R1 System Control Statements	SC33-6613
VSE/ESA POWER V6R1 Administration and Operation	SC33-6633
VSE/ICCF V6R1 User's Guide	SC33-6639



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## 3.0 Program Support

This section describes the IBM support available for NTO R11 VSE.

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### 3.1 Preventive Service Planning

Before installing NTO R11 VSE, check with your IBM Support Center or use either Information/Access or SoftwareXcel Extended to see whether there is additional Preventive Service Planning (PSP) information. To obtain this information, specify the following UPGRADE and SUBSET values:

Figure 7. PSP Information

---

UPGRADE	SUBSET	RETAIN Release
NTO1B0	B1K	B1K

---

If you have received NTO R11 VSE only from IBM Software Distribution, then before installing NTO R11 VSE, you should also check with your IBM Support Center or use either Information/Access or SoftwareXcel Extended to see if there is additional PSP information.

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### 3.2 Statement of Support Procedures

For help with problem determination and problem source identification, refer to *NCP, SSP, and EP Diagnosis Guide* and *NTO Diagnosis*. Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will provide the address to which any needed documentation can be sent.

Figure 8 identifies the component ID (COMPID) and RETAIN Release for NTO R11 VSE.

Figure 8. Component IDs

---

COMP ID	Component Name	REL
5735XX700	NTO R11 VSE	B1K

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## **4.0 Program and Service Level Information**

This section identifies the program and service levels of NTO R11 VSE. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs integrated into the product. Information about the cumulative service tape is also provided.

---

### **4.1 Program Level Information**

See Appendix A, "APARs Incorporated into this Program" on page 15 for a list of APAR fixes against previous releases incorporated into this release.

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### **4.2 Service Level Information**

No PTFs against this release of NTO have been incorporated into the product tape.

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### **4.3 Cumulative Service Tape**

A cumulative service tape, containing PTFs not incorporated into this release, may be included with this program.





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## 5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing NTO R11 VSE. In most cases, you can install NTO R11 VSE on a running system (target system). However, sometimes two systems may be required. If two systems are required, then the following terminology is used:

1. The system used to install the program (driving system)  
(There is no driving system in an NTO R11 VSE environment.)
2. The system on which the program is installed (target system).

---

### 5.1 Target System Requirements

This section describes the environment of the target system required to install NTO R11 VSE.

#### 5.1.1 Operating System Requirements

The operating system requirements for Network Terminal Option are defined by SSP V4R7 VSE, licensed program number 5868-064.

#### 5.1.2 Machine Requirements

The target system can run in any hardware environment that supports the required software.

#### 5.1.3 Programming Requirements

A platform-dependent BookManager product is required to display softcopy publications on CD-ROM. Limited function DOS, Windows, and OS/2 versions of these products are available on your CD-ROM. For more information or to order full-function releases of these products, or VM or MVS versions, refer to the IBM BookManager home page at <http://booksrv2.raleigh.ibm.com>.

#### 5.1.4 DASD Storage Requirements

Figure 9 provides the space requirements for installing this program. Space requirements are larger than needed for installation to allow for PTF service which may be applied at a later date.

*Figure 9. DASD Storage Requirements*

Device Type	Tracks	Blocks
3380	30	N/A
3390	30	N/A
FBA	N/A	1 860

---

## 5.2 Program Considerations

The following sections list the programming considerations for installing NTO R11 VSE.

### 5.2.1 Operating System Requirements

The operating system requirements for Network Terminal Option are defined by SSP V4R7 VSE, licensed program number 5868-064.

### 5.2.2 Machine Requirements

This program is designed to operate on IBM 3745 Communication Controllers.

### 5.2.3 Programming Requirements

#### 5.2.3.1 Minimum Requisites:

A minimum requisite is defined as one of the following:

- *Installation Requisite:* A product that is required at installation time. i.e. this product **will not install** successfully unless this requisite is met.
- *Run Time Requisite:* A product that is **not** required for the successful installation of this product, but **is** needed at run time in order for this product to work.

SSP V4R7 is required to generate NTO R11 VSE.

NCP V7R7 is required to operate NTO R11 VSE.

#### 5.2.3.2 Functional Requisites:

There are no functional requisites for NTO R11 VSE.

#### 5.2.3.3 Compatibility Requisites:

There are no compatibility requisites for NTO R11 VSE.

### 5.2.4 System Considerations

There are no system considerations for NTO R11 VSE.

### 5.2.5 Special Considerations

There are no special considerations for NTO R11 VSE.

---

## 6.0 Installation Instructions

This program is installed in a VSE/ESA operating system. It is supplied as a copy of the production library, which includes modules and macros belonging to this program. In addition, a history file containing installation records for this program is supplied. Installation restores the production sublibrary and updates the VSE System History file.

Because VSE/ESA supports multiple releases of the same product, it is not necessary to delete earlier levels of NTO already installed on the system.

---

### 6.1 Installing NTO R11 VSE

Complete the following steps to install this product:

- Define the VSE product library.
- Install the production sublibrary.

#### 6.1.1 Step 1: Define the VSE Product Library

This step is unnecessary if you want to install this program into an existing VSE library. Run the JCL sample shown in Figure 10 if you want to define a new library for this program. Labels and library names in the following JCL are arbitrary.

```
// JOB DEFINE A VSE PRODUCT LIBRARY
// DLBL vvvv,'vse.nto.lib',2099/365,SD
// EXTENT ,xxxxxx,1,0,yyyy,zzzz
// EXEC LIBR
//   DEFINE LIB=vvvv
/*
/&

xxxxxx = VOLID OF LIBRARY PACK
yyyy   = STARTING TRACK OF LIBRARY
zzzz   = SIZE OF THE LIBRARY IN TRACKS
vvvv   = VSE PRODUCT LIBRARY
```

Figure 10. Sample JCL to Define a VSE Library

#### 6.1.2 Step 2: Install Production Sublibrary

The target library must be on-line during installation procedures, and label information must be available in the label area. Installation of the production sublibrary is required.

Figure 11 on page 14 provides sample JCL to install the production sublibrary using MSHP.

```
// JOB INSTALL PRODUCT
// OPTION CATAL
// ASSGN SYS006,cuu
// MTC REW,SYS006
// EXEC MSHP
  INSTALL PRODUCT FROMTAPE PRODUCTION INTO=vvvv.ssss
/*
/&

cuu      = INPUT TAPE ADDRESS
ssss     = PRODUCTION SUBLIBRARY
vvvv     = PRODUCT LIBRARY
```

Figure 11. Sample JCL to Install Production Library

If an earlier level of NTO is already installed, the following message will be displayed:

```
M231D INSTALLATION WILL SUPERSEDE PRODUCT XXXXXX.
```

Respond by entering KEEP if you want to keep the old version or DELETE if you want to delete it.

---

## 6.2 Installation Using the VSE Interactive Interface

This product can also be installed using the VSE/ICCF installation dialogues. From the VSE FUNCTION SELECTION panel, select menu item 1, INSTALLATION. From the INSTALLATION panel, select menu item 1 to access the INSTALL PROGRAMS panel. You will be prompted for information required by the dialogues to create the product installation job. Note that the default target sublibrary is PRD2.PROD and the default history file is the VSE System History file.

If you wish to modify the default installation parameters, it is necessary to change these values in the appropriate panels, as well as in the JCL generated by the JOB DISPOSITION panel. The installation job may be executed immediately or saved in an ICCF library for verification and later execution.

---

## **Appendix A. APARs Incorporated into this Program**

The following NTO R10 VSE APARs are incorporated into this program:

IR30488  
IR32153



# Reader's Comments

## Program Directory for Network Terminal Option Release 11 for VSE

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For each of the topics below please indicate your satisfaction level by circling your choice from the rating scale. If a statement does not apply, please circle N.

RATING SCALE						
very satisfied	<----->				very dissatisfied	not applicable
1	2	3	4	5	N	

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Installation Verification Programs	1	2	3	4	5	N
Time to install the product	1	2	3	4	5	N
Readability and organization of program directory tasks	1	2	3	4	5	N
Necessity of all installation tasks	1	2	3	4	5	N
Accuracy of the definition of the installation tasks	1	2	3	4	5	N
Technical level of the installation tasks	1	2	3	4	5	N
Ease of getting the system into production after installation	1	2	3	4	5	N

Did you order this product as an independent product or as part of a package?

- Independent
- Package

If this product was ordered as part of a package, what type of package was ordered?

- CustomPac
- FunctionPac
- SystemPac
- System Delivery Offering (SDO)
- Other - Please specify type: . . . . .

Is this the first time your organization has installed this product?

- Yes

\_\_\_ No

Were the people who did the installation experienced with the installation of these products?

\_\_\_ Yes

\_\_\_ No

If yes, how many years? \_\_\_

If you have any comments to make about your ratings above, or any other aspect of the product installation, please list them below:

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Please provide the following contact information:

\_\_\_\_\_  
Name and Job Title

\_\_\_\_\_  
Organization

\_\_\_\_\_  
Address

\_\_\_\_\_  
Telephone

Thank you for your participation.

Please send the completed form to the address below:

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Dept. CGF/Bldg. 656  
International Business Machines Corporation  
PO Box 12195  
RESEARCH TRIANGLE PARK NC 27709-9990







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