

**CA-IDMS®**

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**IDD Quick Reference  
15.0**



Computer Associates

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## How to Use This Guide

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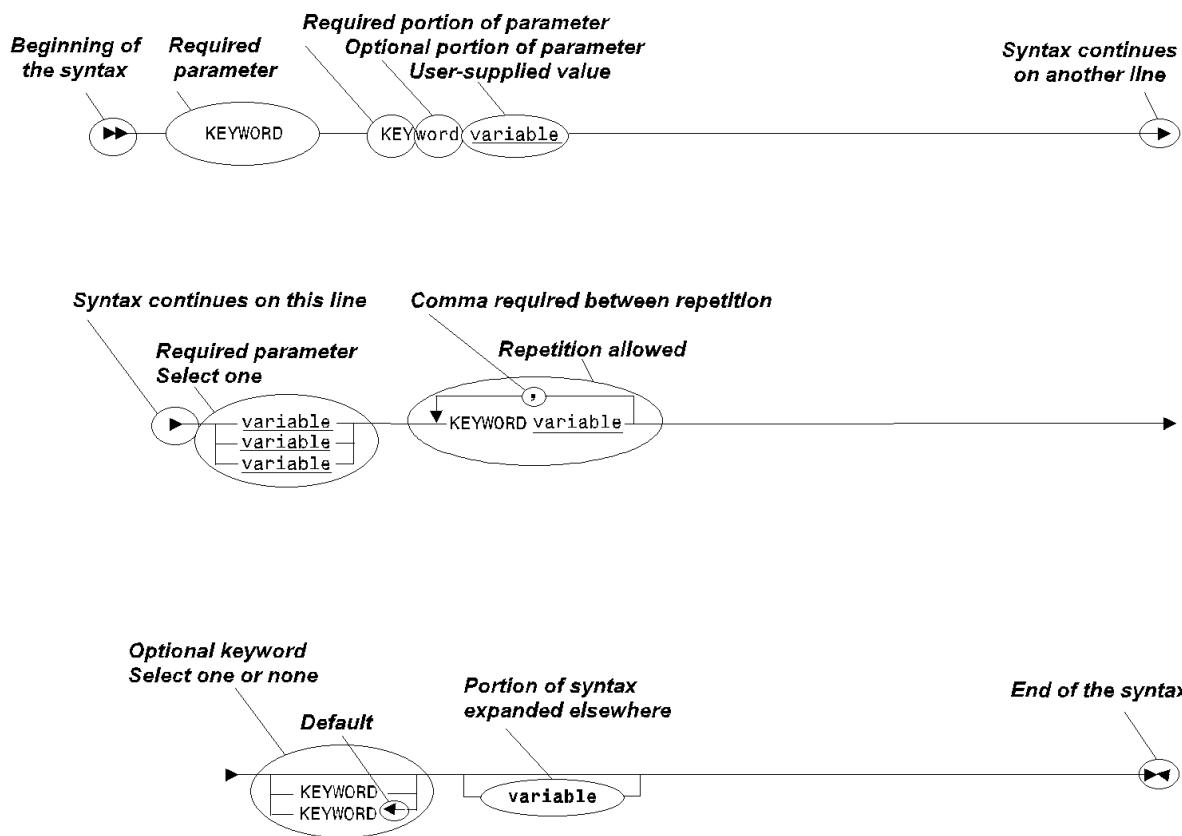
This Quick Reference applies to Release 15.0 of CA-IDMS and accompanies  
*CA-IDMS IDD DDL Reference*. It also lists all of the dictionary reports.

# Understanding Syntax Diagrams

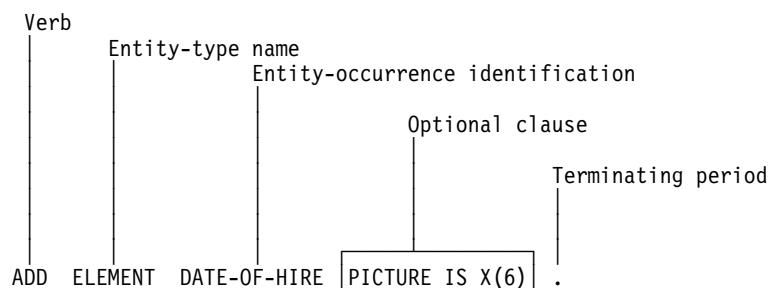
Look at the list of notation conventions below to see how syntax is presented in this manual. The example following the list shows how the conventions are used.

UPPERCASE OR SPECIAL CHARACTERS	Represents a required keyword, partial keyword, character, or symbol that must be entered completely as shown.
lowercase	Represents an optional keyword or partial keyword that, if used, must be entered completely as shown.
<u>underlined lowercase</u>	Represents a value that you supply.
◀	Points to the default in a list of choices.
<b>lowercase bold</b>	Represents a portion of the syntax shown in greater detail at the end of the syntax or elsewhere in the document.
►—————	Shows the beginning of a complete piece of syntax.
—————►	Shows the end of a complete piece of syntax.
—————→	Shows that the syntax continues on the next line.
►—————	Shows that the syntax continues on this line.
—————→	Shows that the parameter continues on the next line.
—————→	Shows that a parameter continues on this line.
►—— parameter ——►	Shows a required parameter.
►[ parameter ]——►	Shows a choice of required parameters. You must select one.
►[ parameter ]——►	Shows an optional parameter.
►[ parameter ]——►	Shows a choice of optional parameters. Select one or none.
►↓[ parameter ]——►	Shows that you can repeat the parameter or specify more than one parameter.
►↓[ parameter ]——►	Shows that you must enter a comma between repetitions of the parameter.

## Sample Syntax Diagram



## Example Of Syntax Format

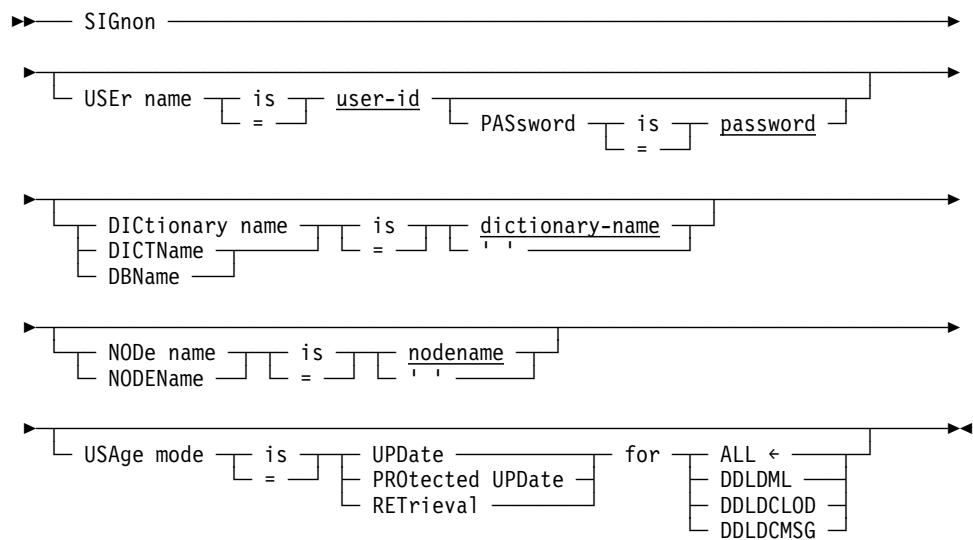




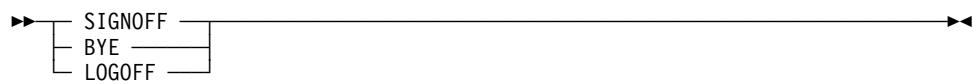
# **Chapter 1. DDDL Compiler Options**

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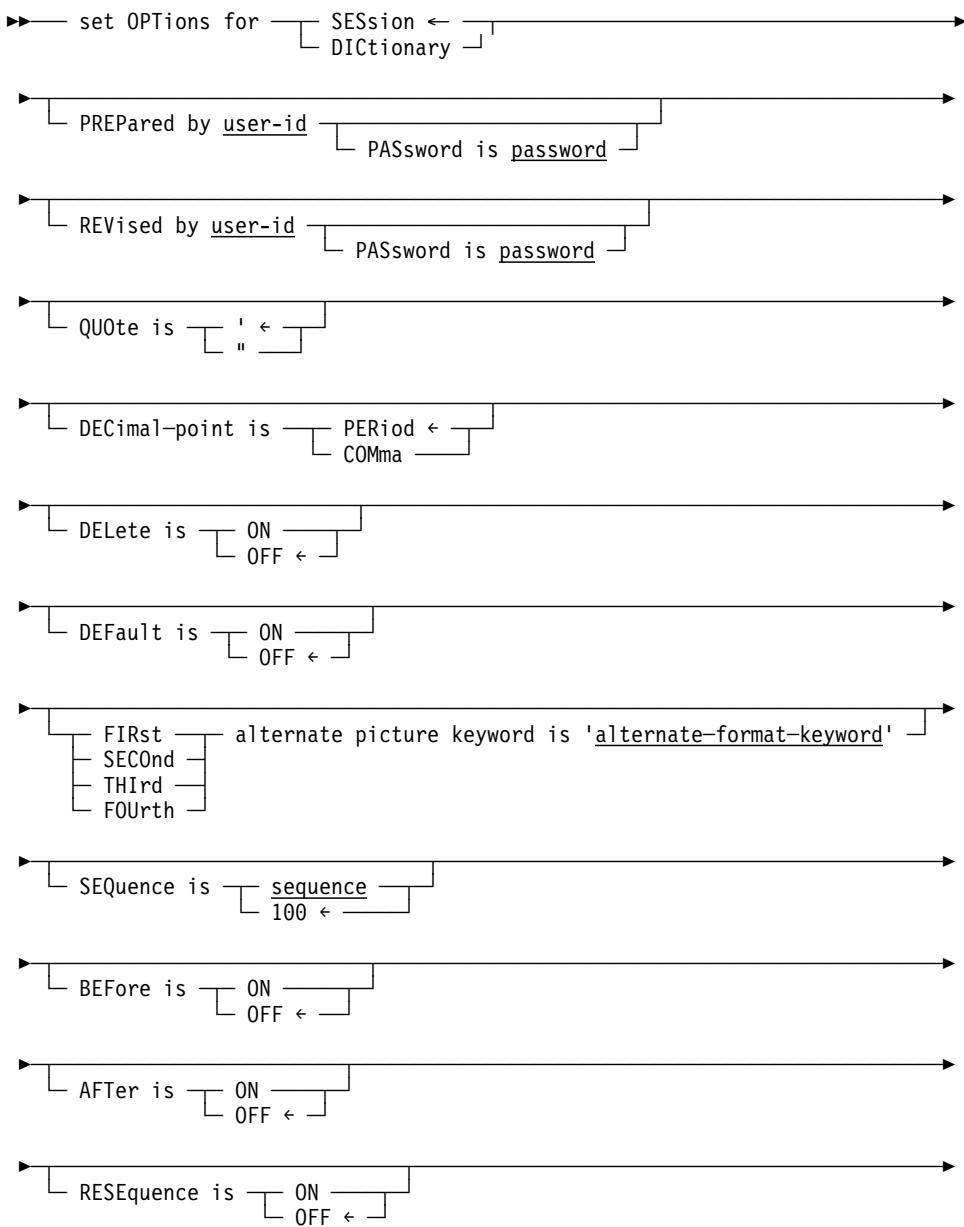
## 1.1 SIGNON Statement

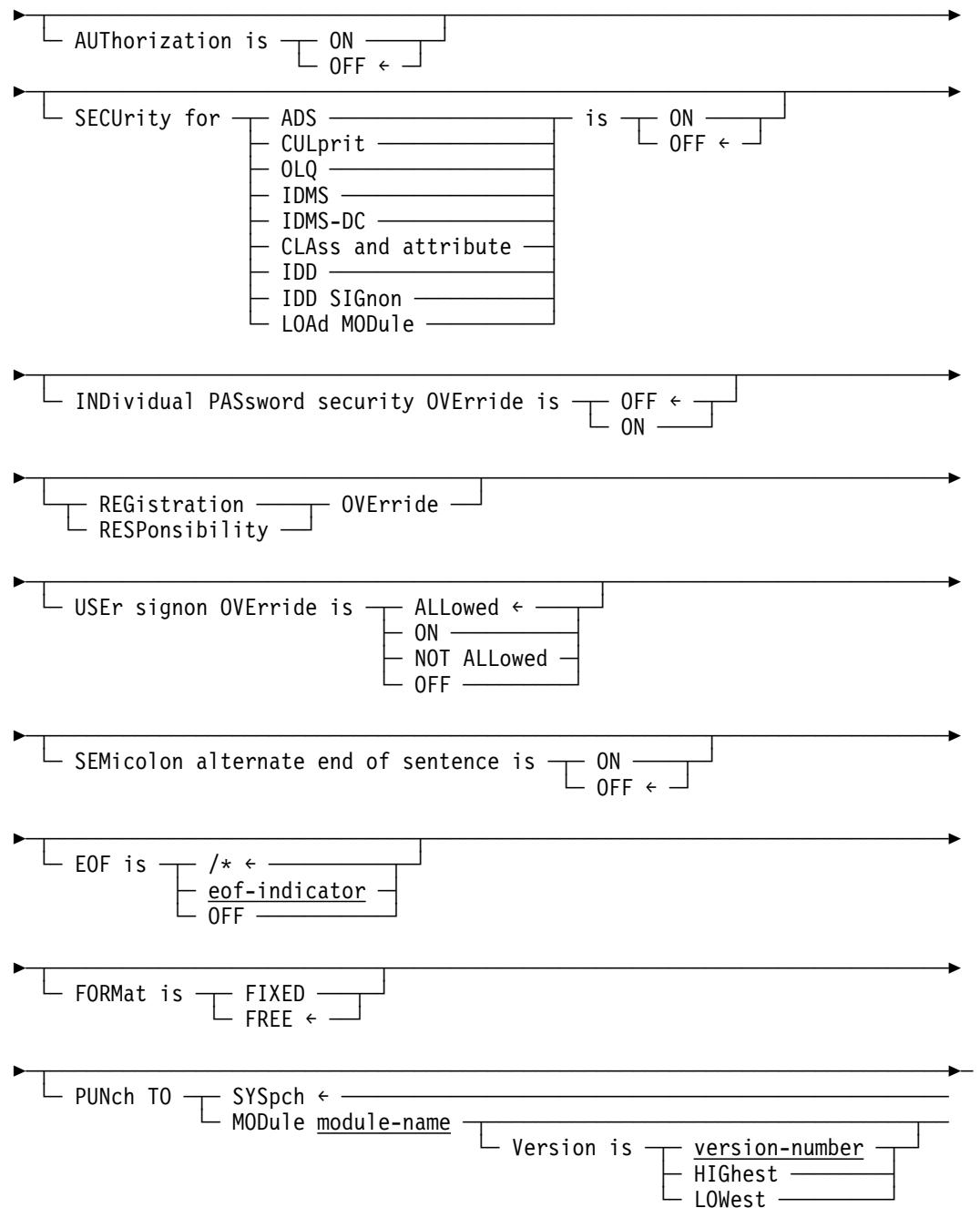


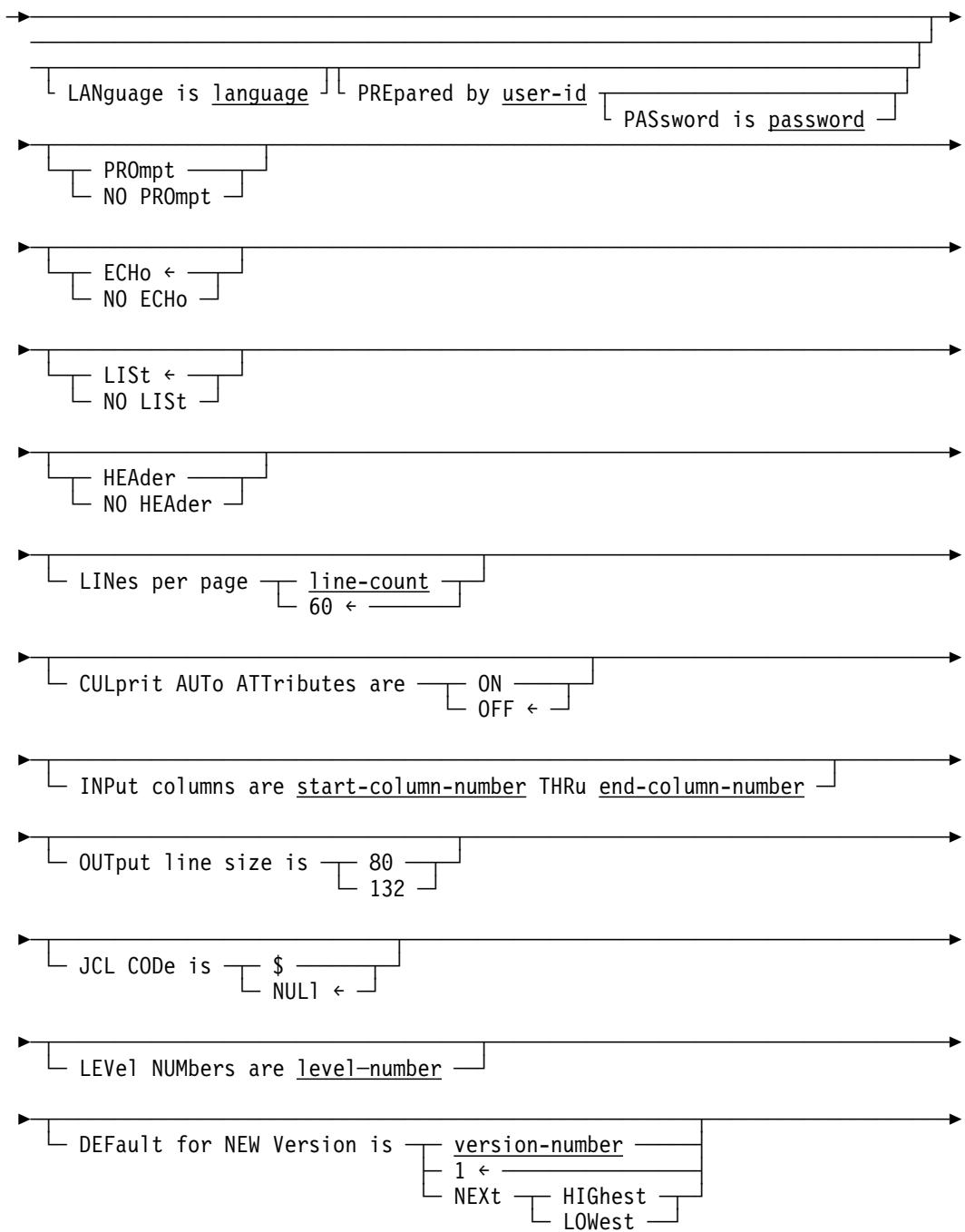
## 1.2 SIGNOFF Statement

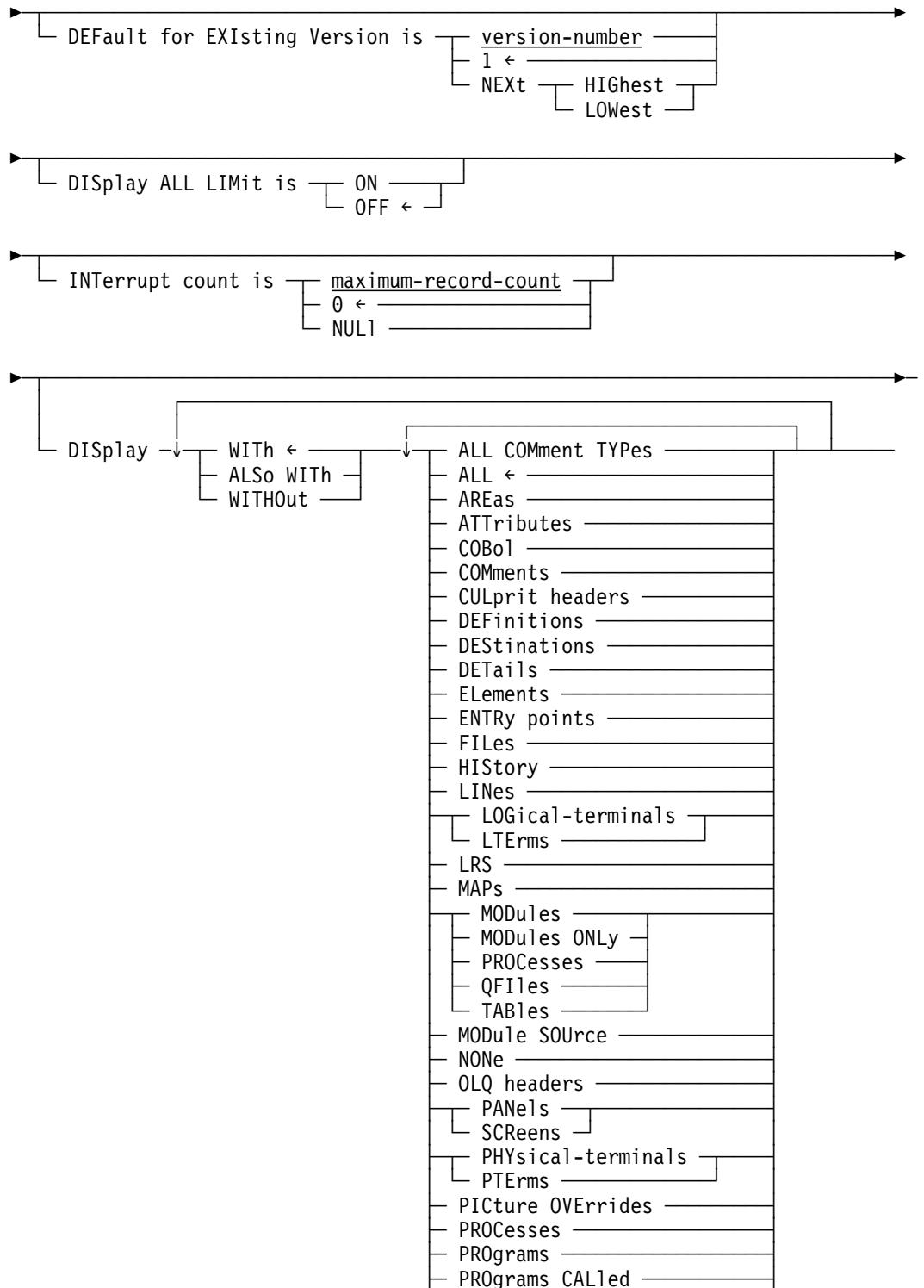


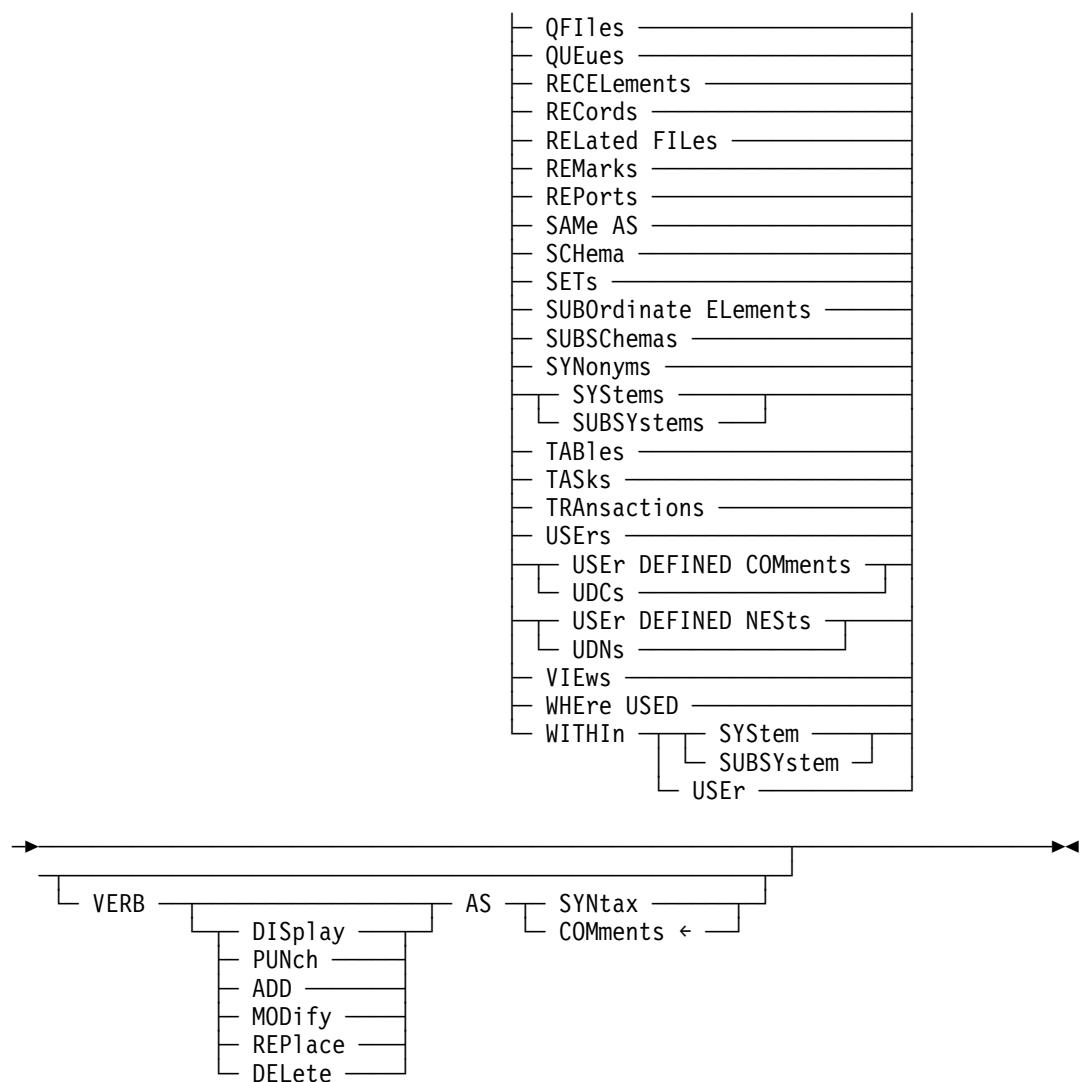
## 1.3 SET OPTIONS Statement







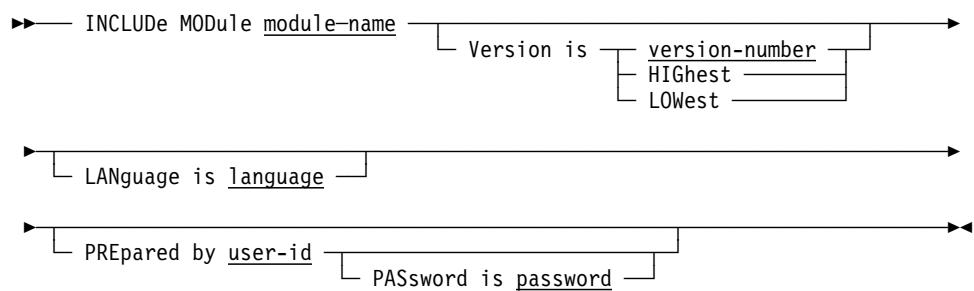




## 1.4 DISPLAY/PUNCH OPTIONS Statement

```
► [ DISPlay ] [ OPTions for [ SESsion <--> ]
  PUNch ] [ DICTIONARY ]  
► [ [ WITh <--> DETails ] [ AS [ SYNTAX <-->
    ALSO WITh ] ] [ COMMENTS <--> ]
    WITHOut ]
```

## 1.5 INCLUDE Statement



## 1.6 COMMIT Statement

►— COMMIT —►



## Chapter 2. General DDDL Syntax Options

---

This section describes the DDDL syntax options that are common to all or many DDDL entity-type statements. Because these general options are functionally the same, regardless of the entity to which they apply, the rules presented below are not repeated in the detailed syntax presentations that appear later on in the document.

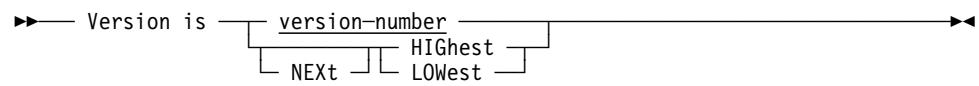
Functions and associated syntax options are shown in the following table.

Function	Syntax Option
Identify entity occurrences	NAME and VERSION clauses
Secure entity occurrences	PREPARED BY and REVISED BY clauses AUTHORITY clause (USER statement) USER clause PUBLIC ACCESS clause
Document entity-occurrences	DESCRIPTION clause COMMENTS clause TEXT clause
Manipulate entity-occurrences	SAME AS clause COPY clause EDIT clause
Establish or change entity-occurrence relationships	Relational keys Attribute/entity relationships
Display entity occurrences	DISPLAY/PUNCH statement

## 2.1 NAME

►— NAME is entity-occurrence-name —►

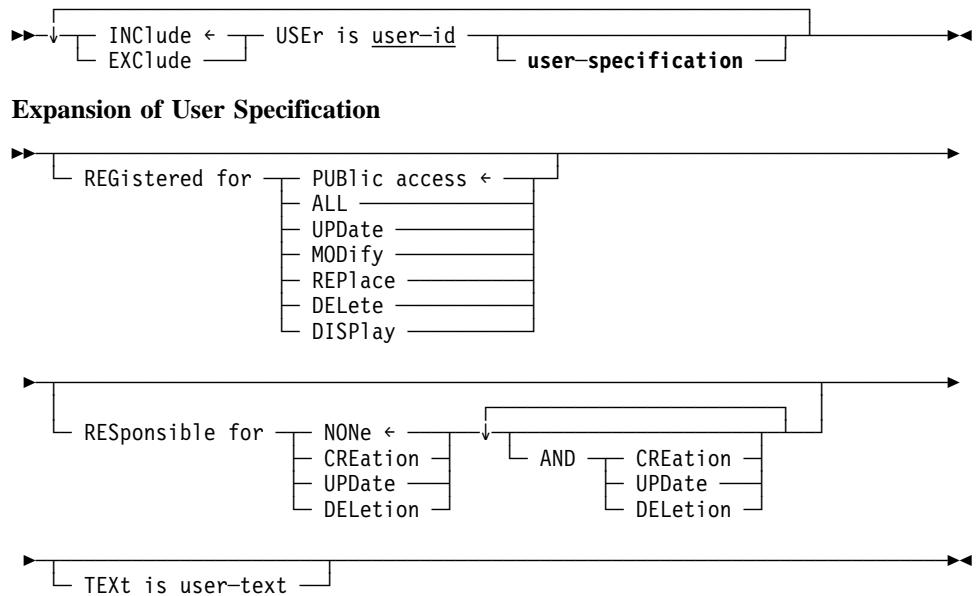
## 2.2 VERSION



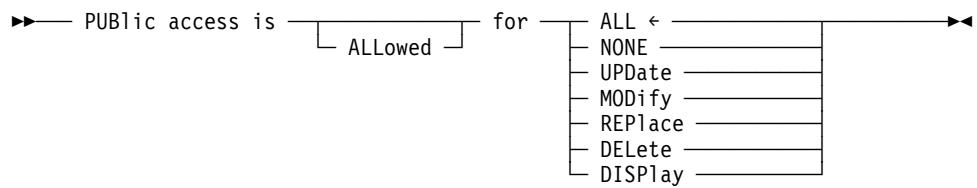
## 2.3 PREPARED/REVISED BY

► [ PREpared ] by user-id [ PASsword is password ] ►

## 2.4 USER



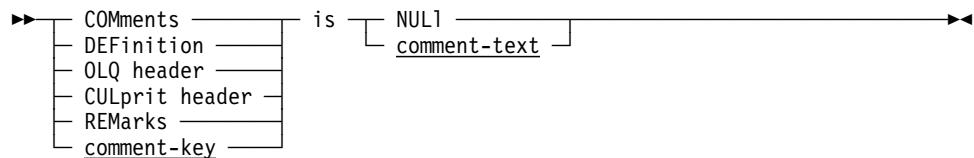
## 2.5 PUBLIC ACCESS



## 2.6 DESCRIPTION

►— [ entity-type-name ] — DEscription is description-text —►

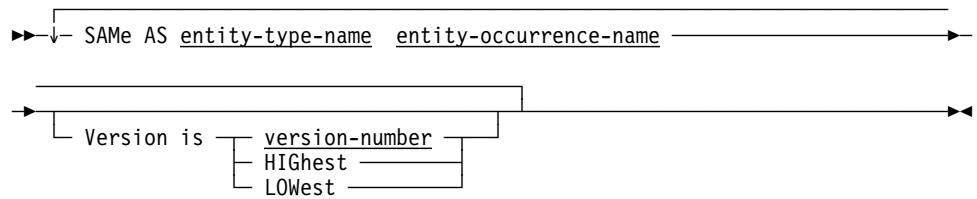
## 2.7 COMMENTS



## 2.8 TEXT

►— TEXT is user-text —►

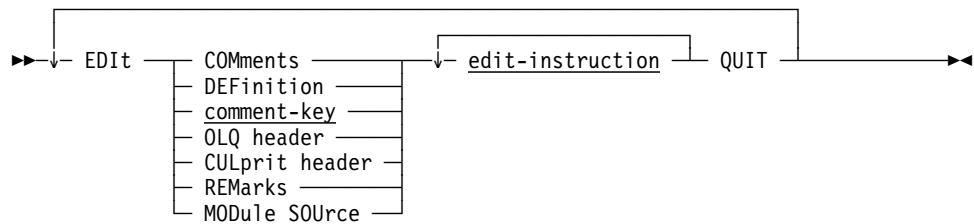
## 2.9 SAME AS



## 2.10 COPY

```
►— COPy entity-option FR0m entity-type-name entity-occurrence-name —►  
► └ Version is └ version-number └  
      └ HIGhest └  
      └ LOWest └
```

## 2.11 EDIT



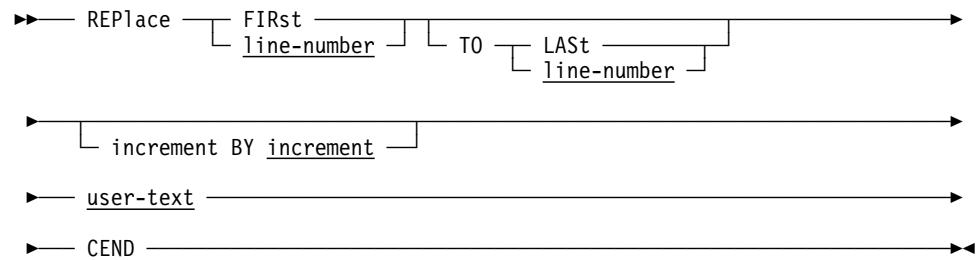
## 2.12 INSERT Instruction Of EDIT

```
►— INSert — [ FIRst —  
          | LAST — ] — increment BY increment —  
          | line-number —  
►— user-text —————→  
►— CEND —————→————←
```

## 2.13 ERASE Instruction Of EDIT

```
►— ERAsE — [ FIRst — [ line-number ] ] — [ TO — [ LAST — [ line-number ] ] ] — ►
```

## 2.14 REPLACE Instruction Of EDIT



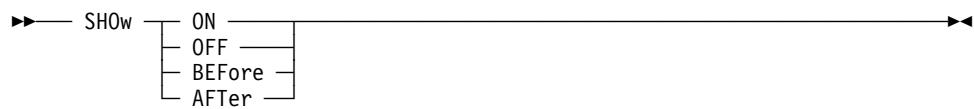
## 2.15 LIST Instruction Of EDIT

```
►— LIST [ FIRST [ line-number ] TO LAST [ line-number ] ] —►
```

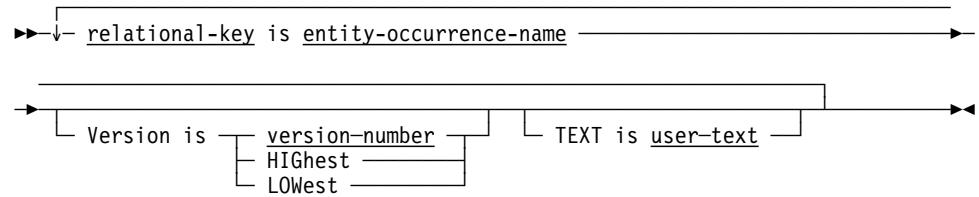
## 2.16 SEQUENCE Instruction Of EDIT

►— SEQuence — [ sequence-number ] —►

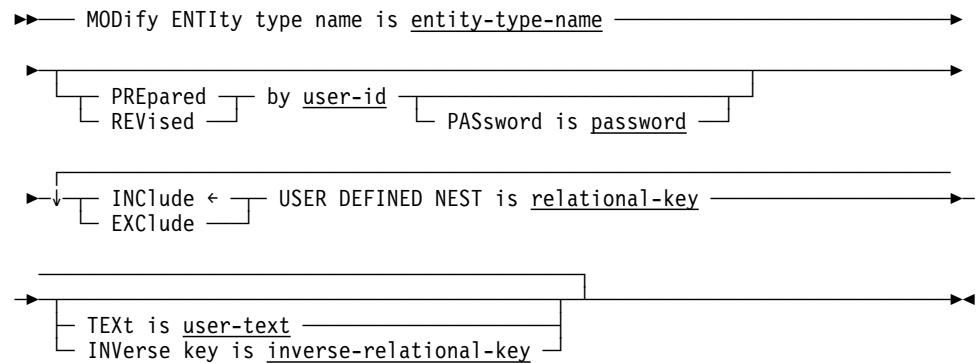
## 2.17 SHOW Instruction Of EDIT



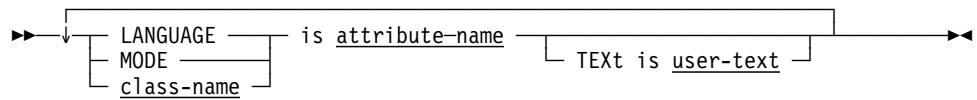
## 2.18 RELATIONAL-KEY



### MODIFY ENTITY Statement (for user-defined nests)

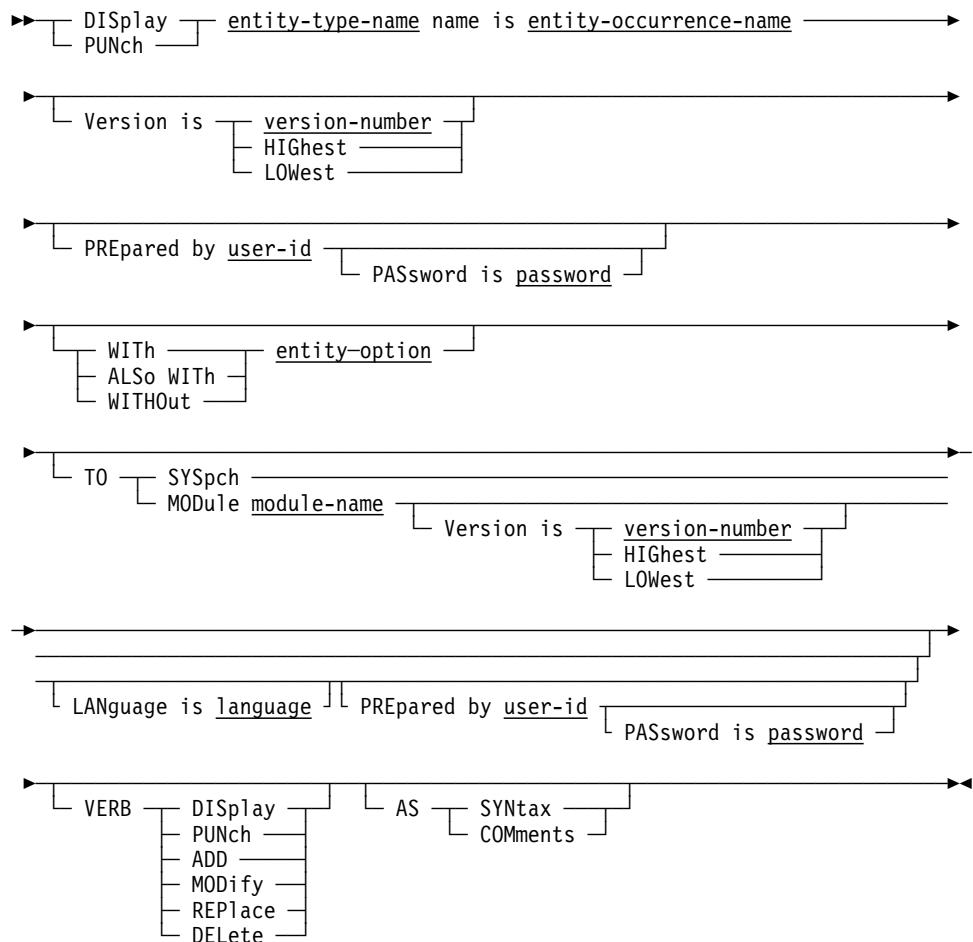


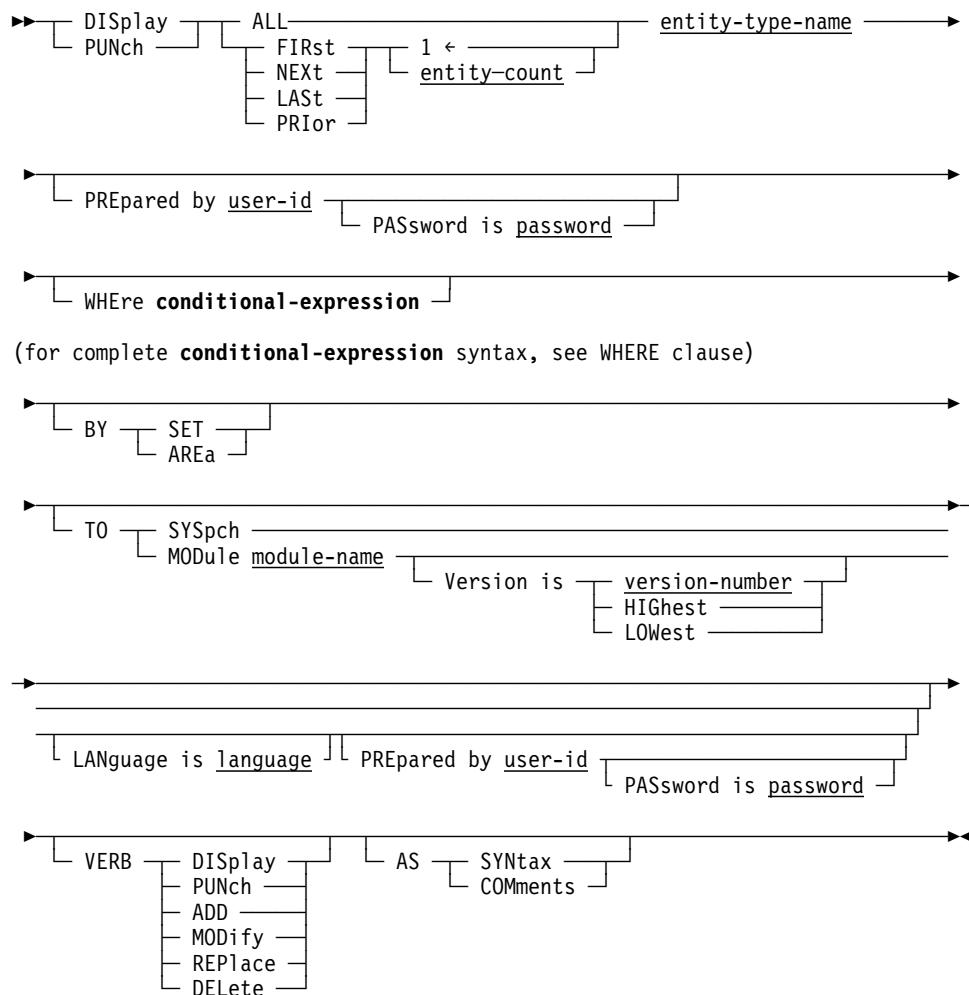
## 2.19 CLASS/ATTRIBUTE



## 2.20 DISPLAY/PUNCH

### DISPLAY/PUNCH Statement (for a single entity occurrence)

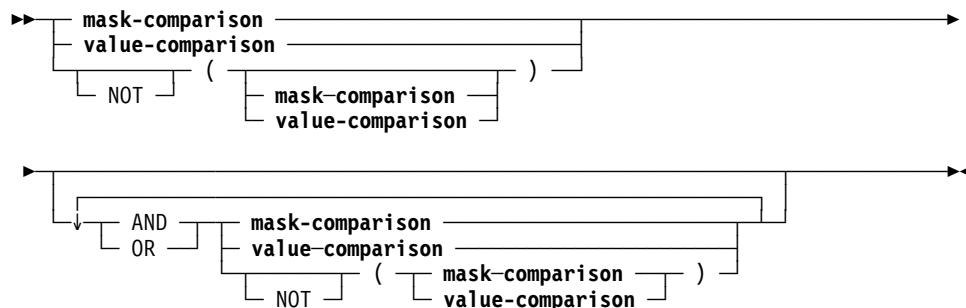


**DISPLAY/PUNCH Statement (for multiple entity occurrences)**

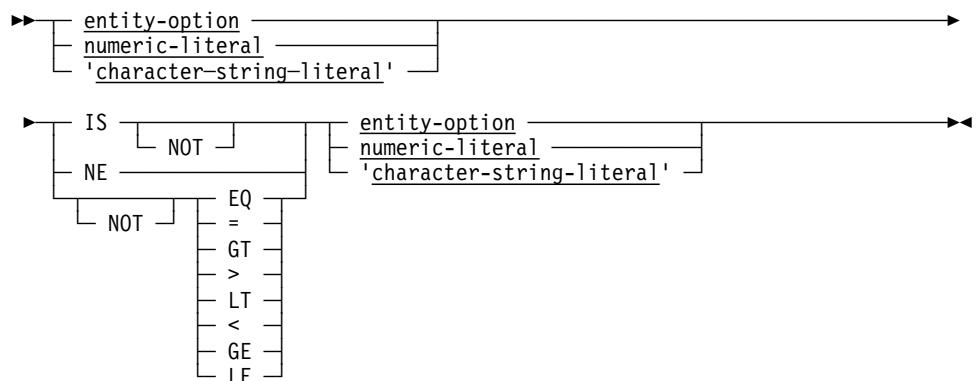
## 2.21 WHERE

►►► WHERE conditional-expression ►►►

### Expansion of Conditional Expression



### Expansion of Value-Comparison



### Expansion of Mask-Comparison

►►► entity-option — CONTAINS — 'mask-value' — MATCHES — ►►►

### Valid WHERE Clause Entity Options

Entity Type	Option
ATTRIBUTE	Entity-type NAME PREPARED BY REVISED BY DATE LAST UPDATED DATE CREATED CLASS NAME
CLASS ENTRY POINT MESSAGE	Entity-type NAME PREPARED BY REVISED BY DATE LAST UPDATED DATE CREATED

<b>Entity Type</b>	<b>Option</b>
DESTINATION	Entity-type NAME
ELEMENT	VERSION
FILE	PREPARED BY
LINE	REVISED BY
LOGICAL-TERMINAL	DATE LAST UPDATED
MAP	DATE CREATED
MODULE	DESCRIPTION
PANEL	FULL NAME (USERS only)
PHYSICAL-TERMINAL	LANGUAGE (MODULEs only)
PROCESS	LINE NAME
QFILE	(PHYSICAL-TERMINALS only)
QUEUE	LINE TYPE (LINES only)
RECORD/REPORT/TRANS-	PANEL NAME (MAPs only)
ACTION	PHYSICAL-TERMINAL NAME
SYSTEM/SUBSYSTEM	(LOGICAL-TERMINALS only)
TABLE	
TASK	
USER	
ELEMENT SYNONYM	SYNONYM NAME
FILE SYNONYM	SYNONYM VERSION (FILEs only)
	ELEMENT or FILE NAME
	VERSION
	PREPARED BY
	REVISED BY
	DATE LAST UPDATED
	DATE CREATED
	DESCRIPTION
LOAD MODULE	LOAD MODULE NAME
	VERSION
	DATE COMPILED
PROGRAM	PROGRAM NAME
	VERSION
	PREPARED BY
	REVISED BY
	DATE LAST UPDATED
	DATE CREATED
	DESCRIPTION
	DATE COMPILED
RECORD SYNONYM	SYNONYM NAME
REPORT SYNONYM	SYNONYM VERSION
TRANSACTION SYNONYM	RECORD NAME
	VERSION
	PREFIX
	SUFFIX
	VIEW ID
	RECORD NAME
	VERSION
	PREPARED BY
	REVISED BY
	DATE LAST UPDATED
	DATE CREATED
	DESCRIPTION

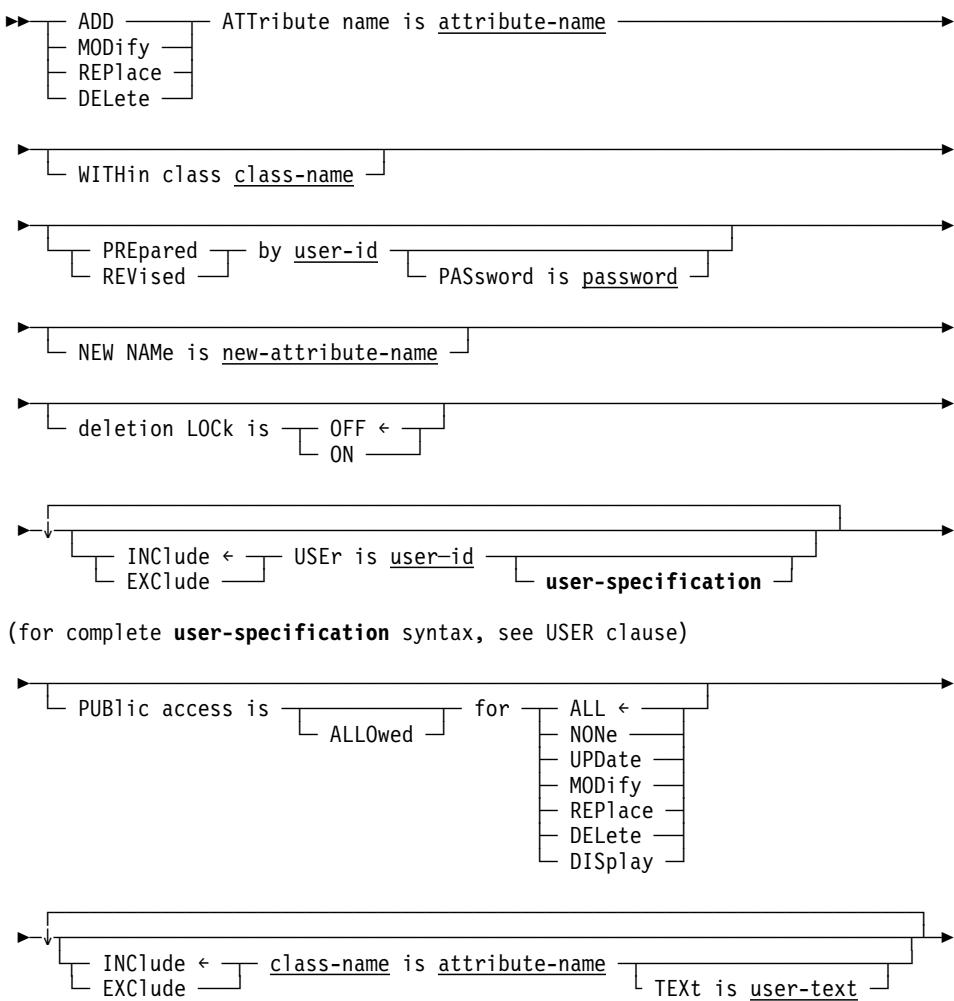
Entity Type	Option
SCHEMA	Entity-type name PREPARED BY REVISED BY DATE LAST UPDATED DATE CREATED DATE COMPILED DESCRIPTION
SUBSCHEMA	Entity-type name PREPARED BY REVISED BY DATE LAST UPDATED DATE CREATED DESCRIPTION SCHEMA NAME SCHEMA VERSION
TASK	NAME VERSION PREPARED BY REVISED BY DATE LAST UPDATED DATE CREATED DESCRIPTION

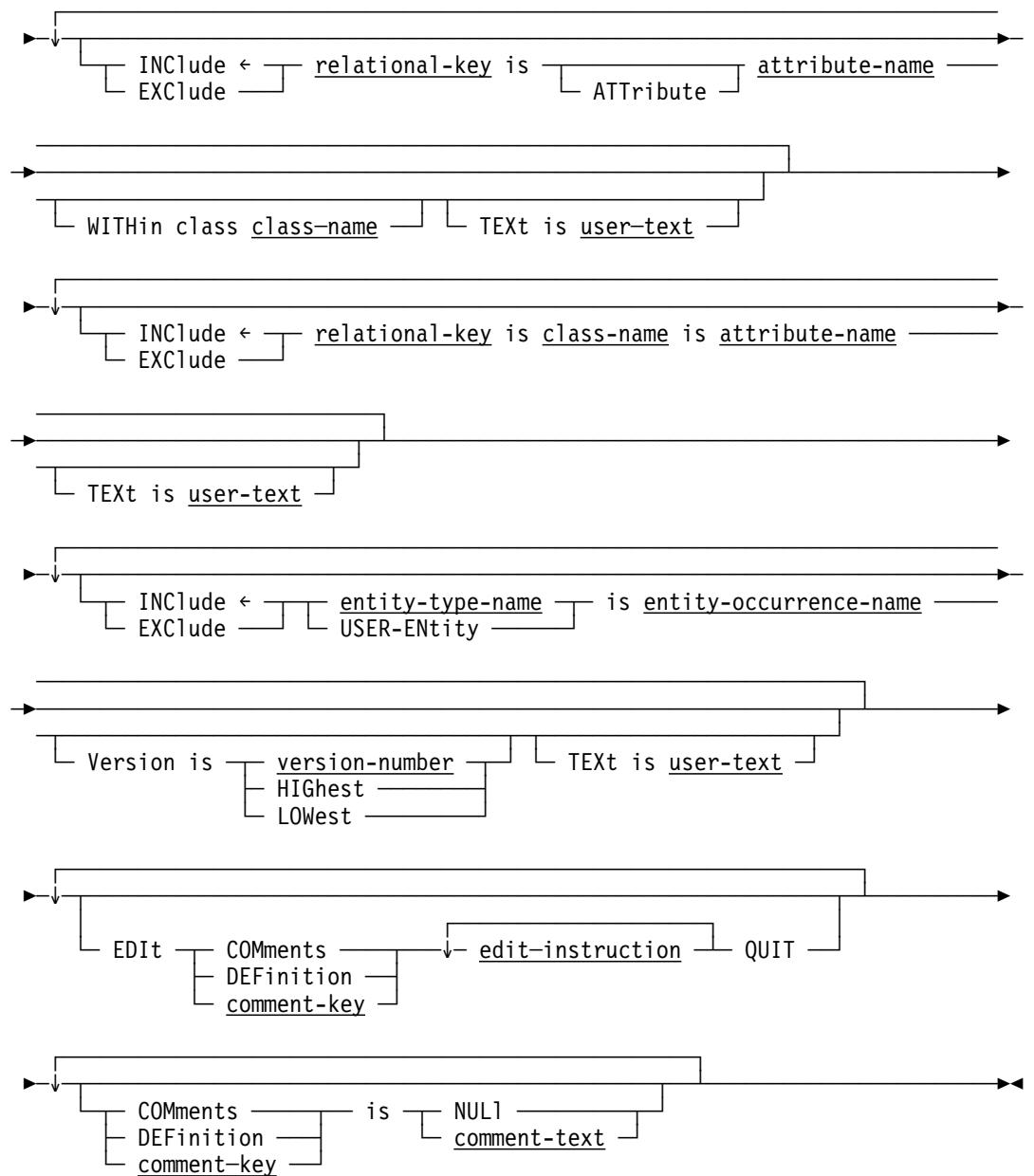


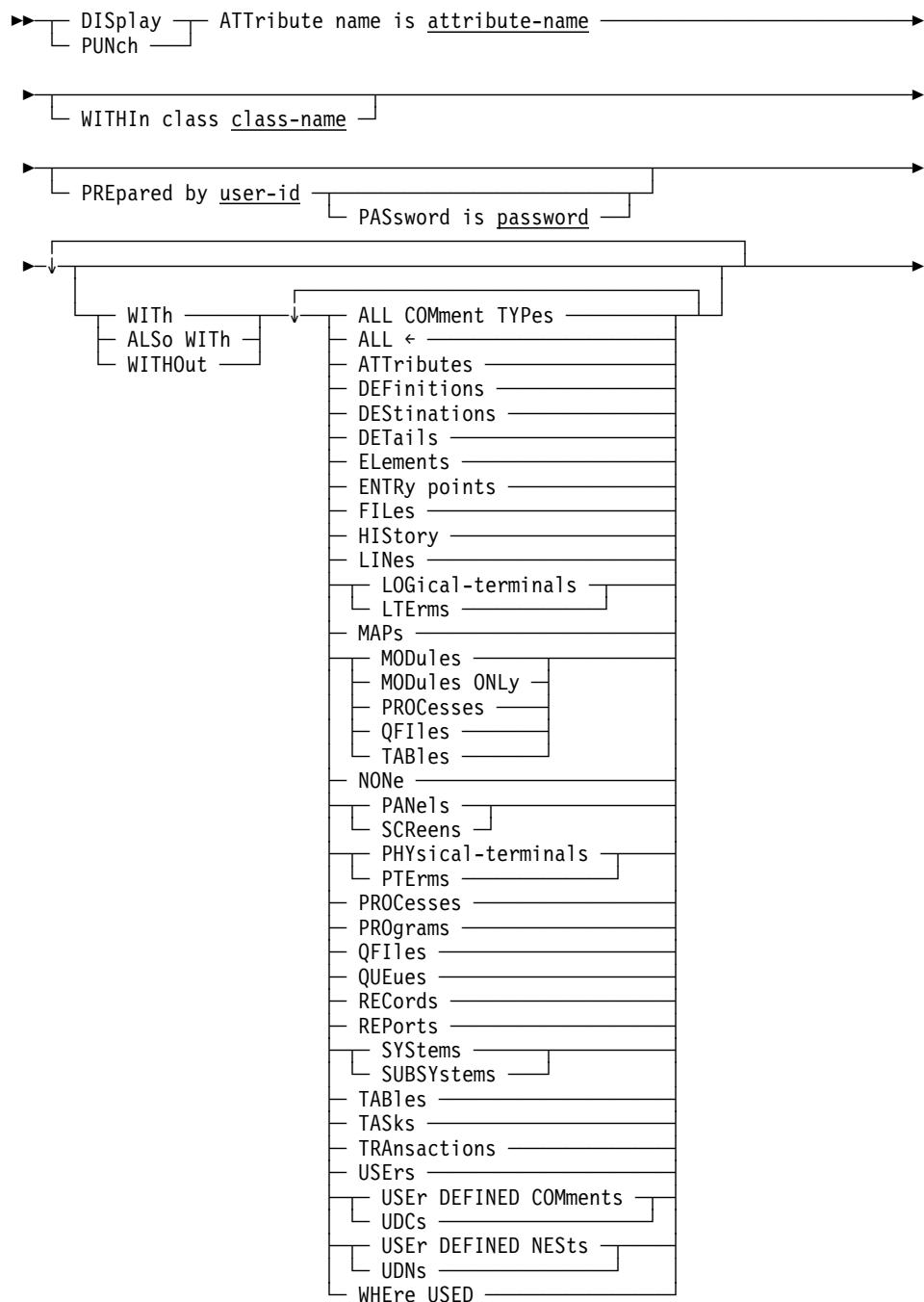
## **Chapter 3. Entity-Type Syntax**

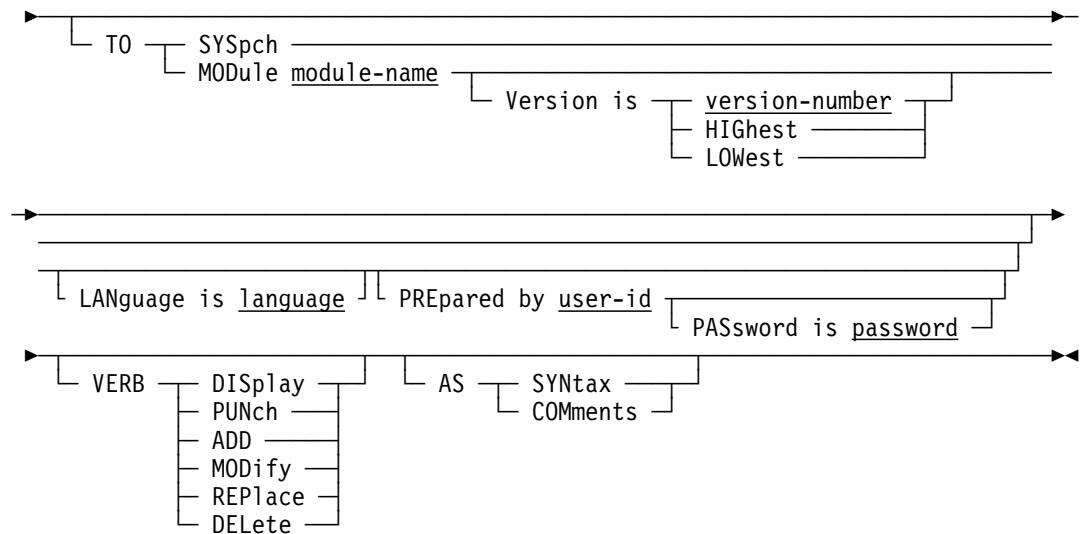
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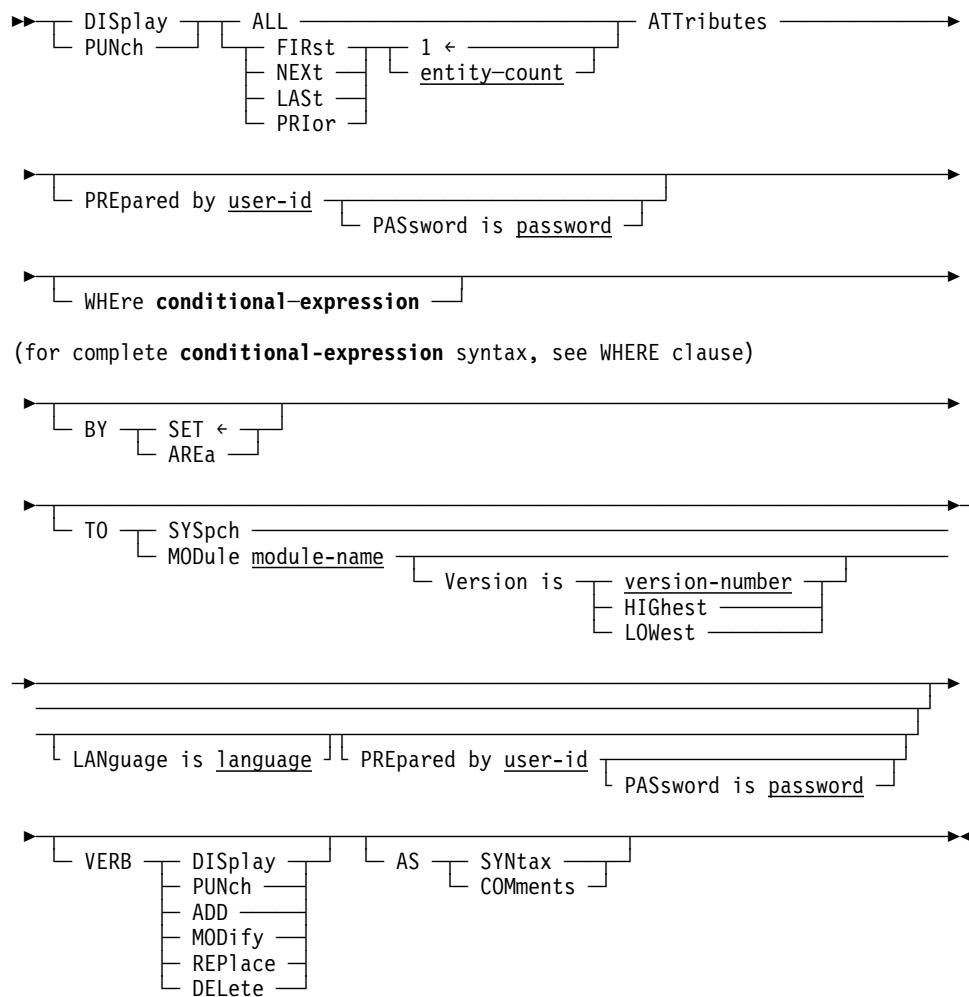
## 3.1 ATTRIBUTE



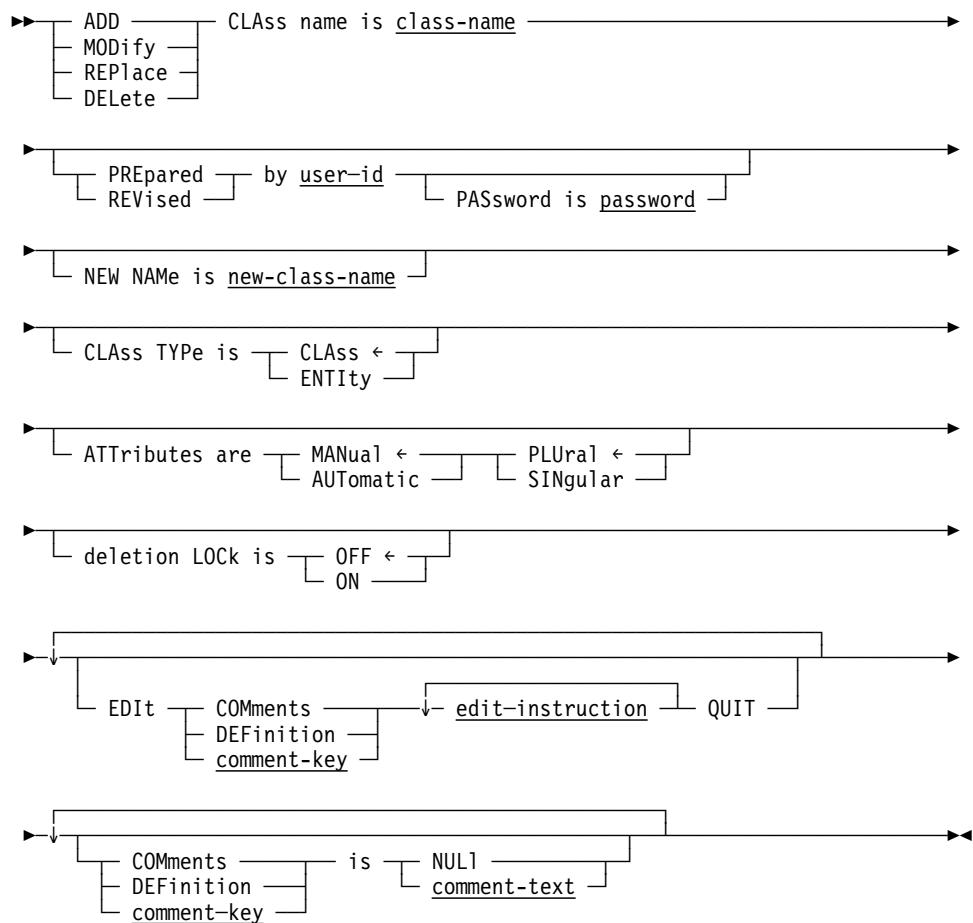


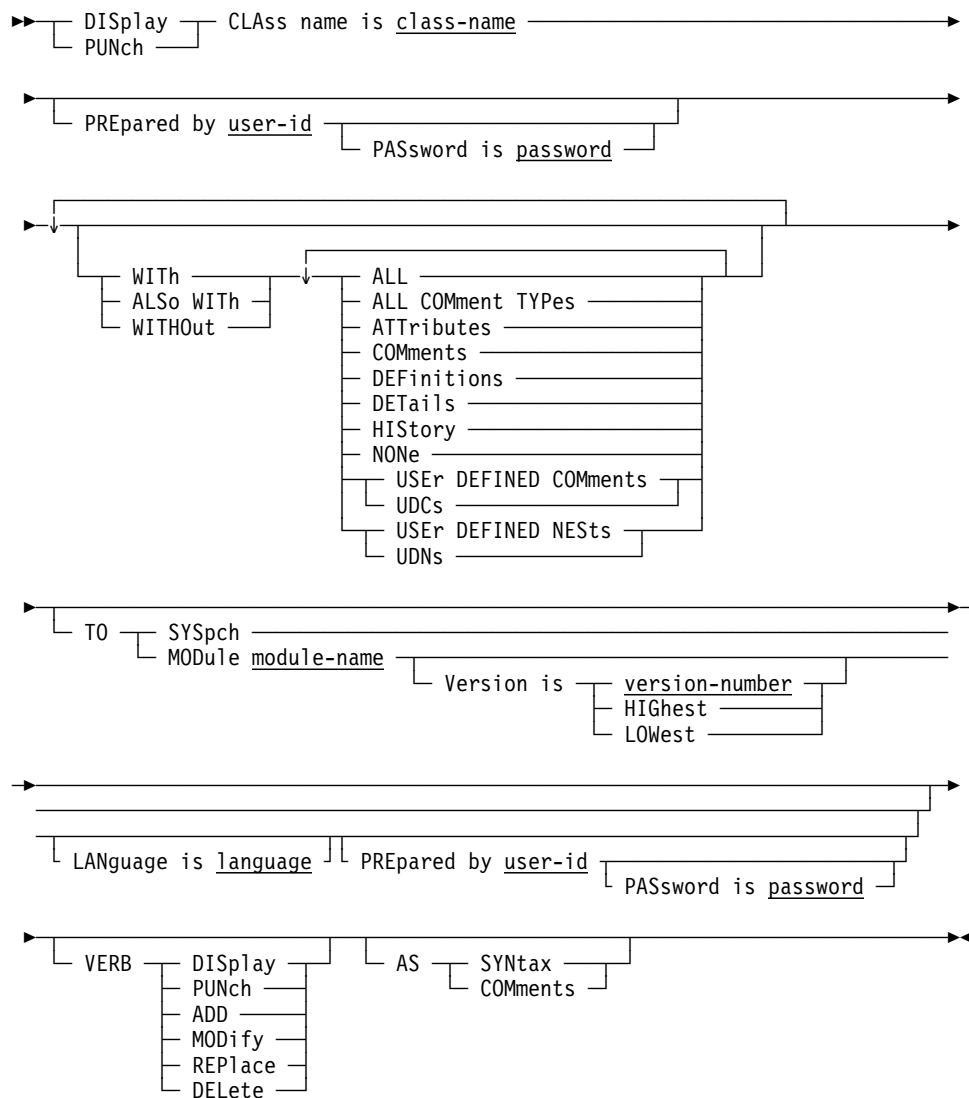
**DISPLAY/PUNCH ATTRIBUTE Statement (for a single attribute)**

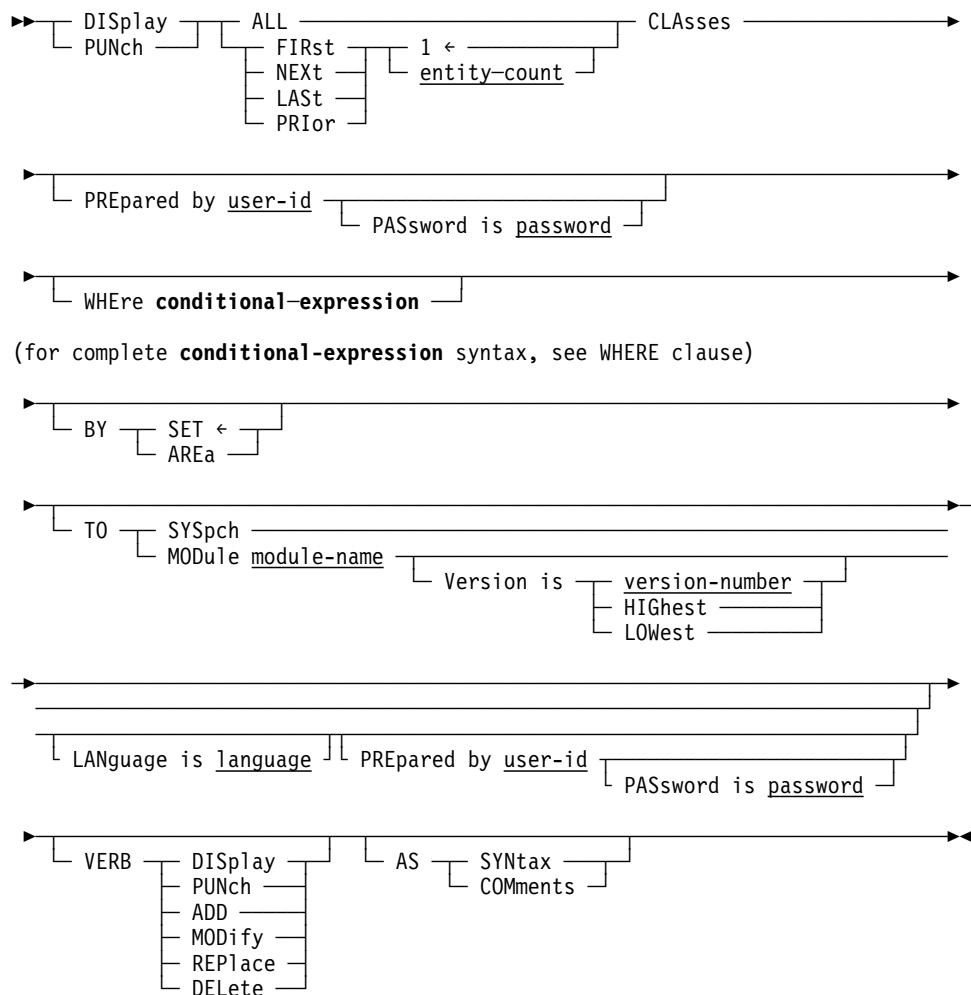


**DISPLAY/PUNCH ATTRIBUTE Statement (for multiple attributes)**

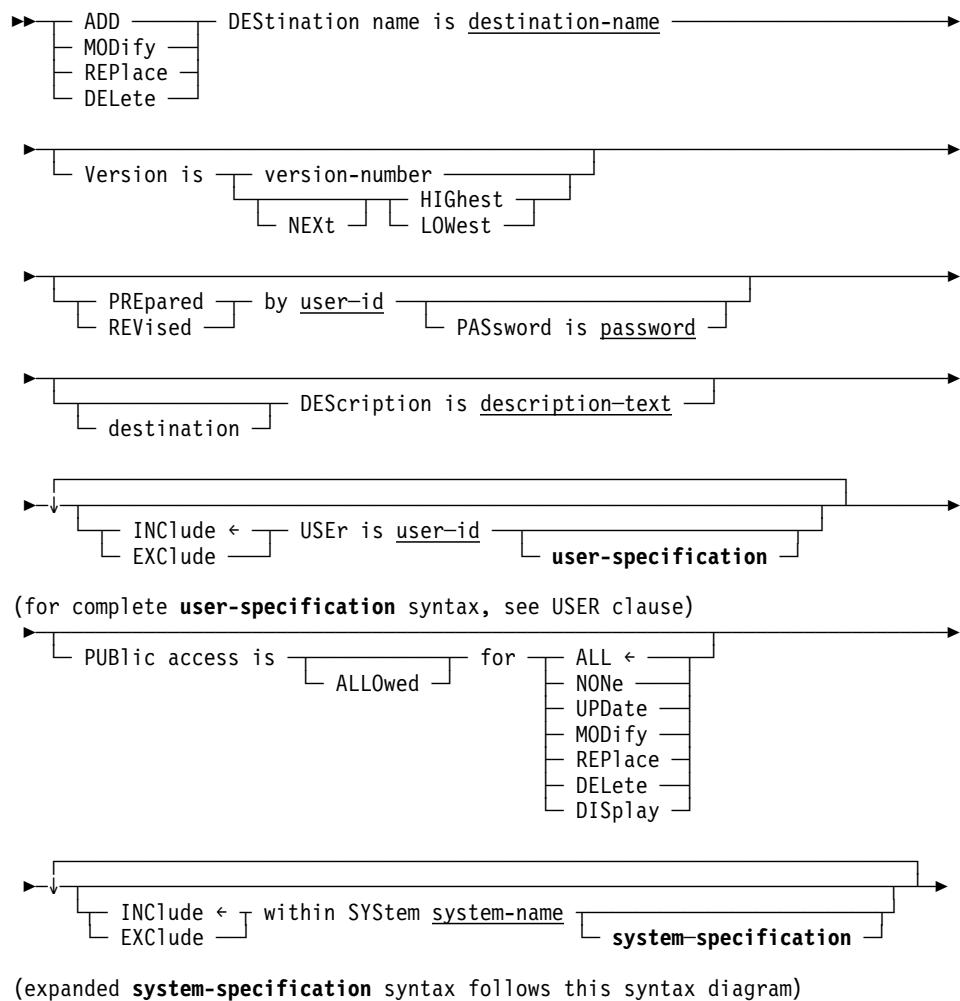
## 3.2 CLASS

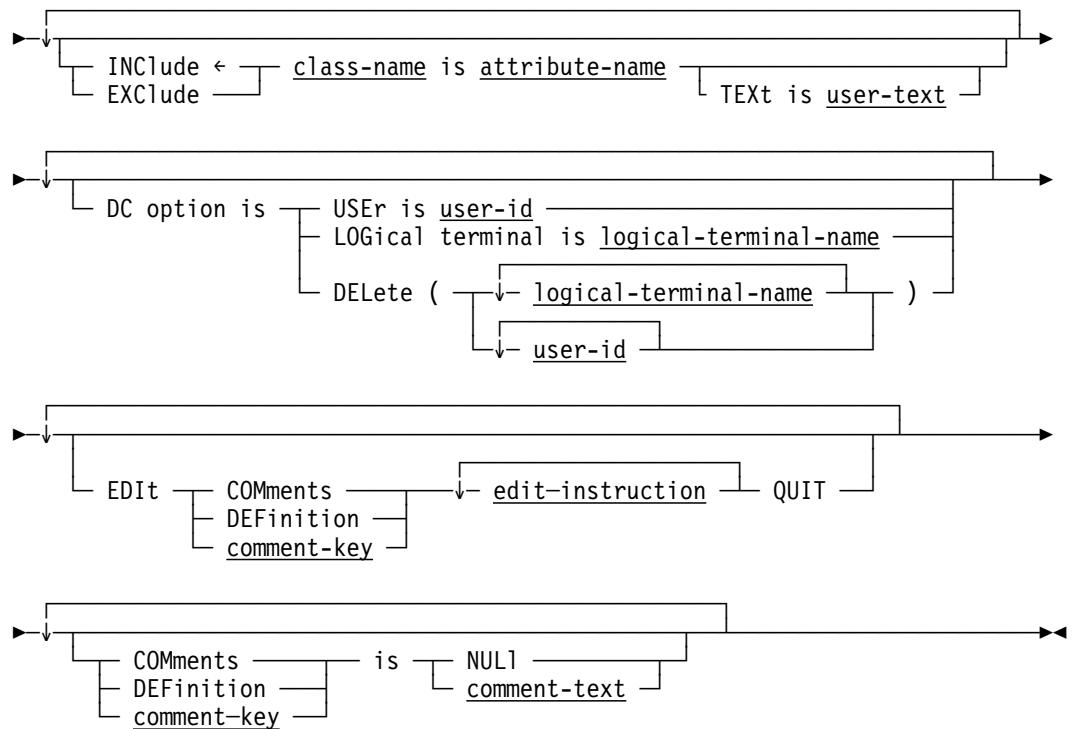
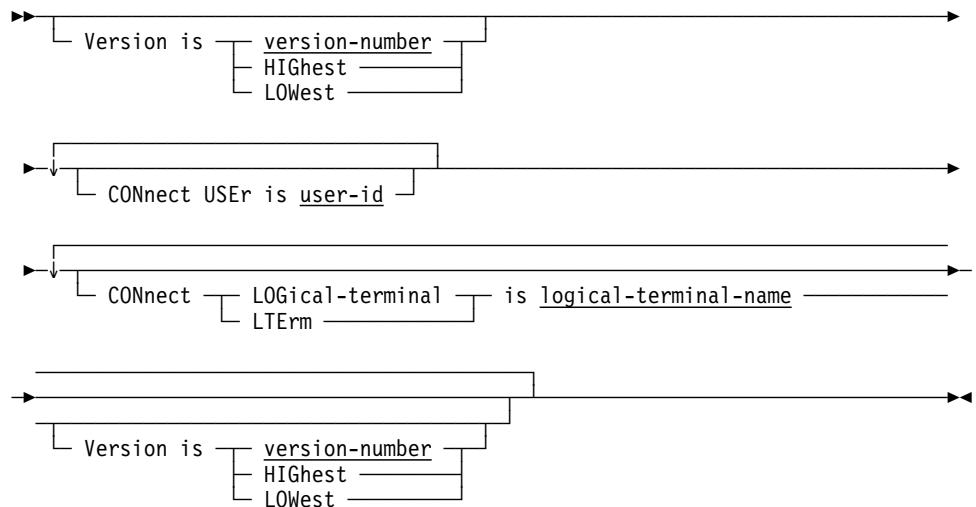


**DISPLAY/PUNCH CLASS (for a single class)**

**DISPLAY/PUNCH CLASS Statement (for multiple classes)**

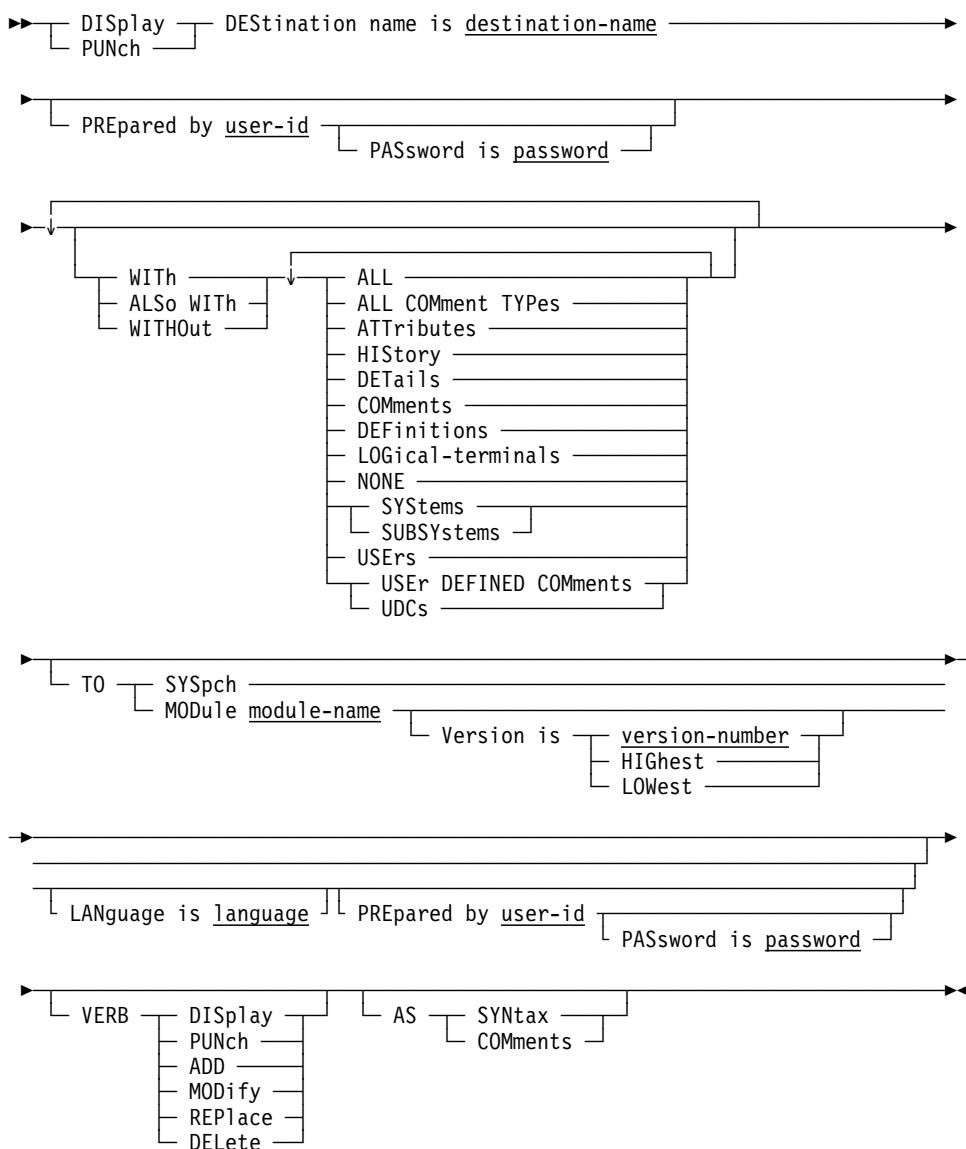
### 3.3 DESTINATION

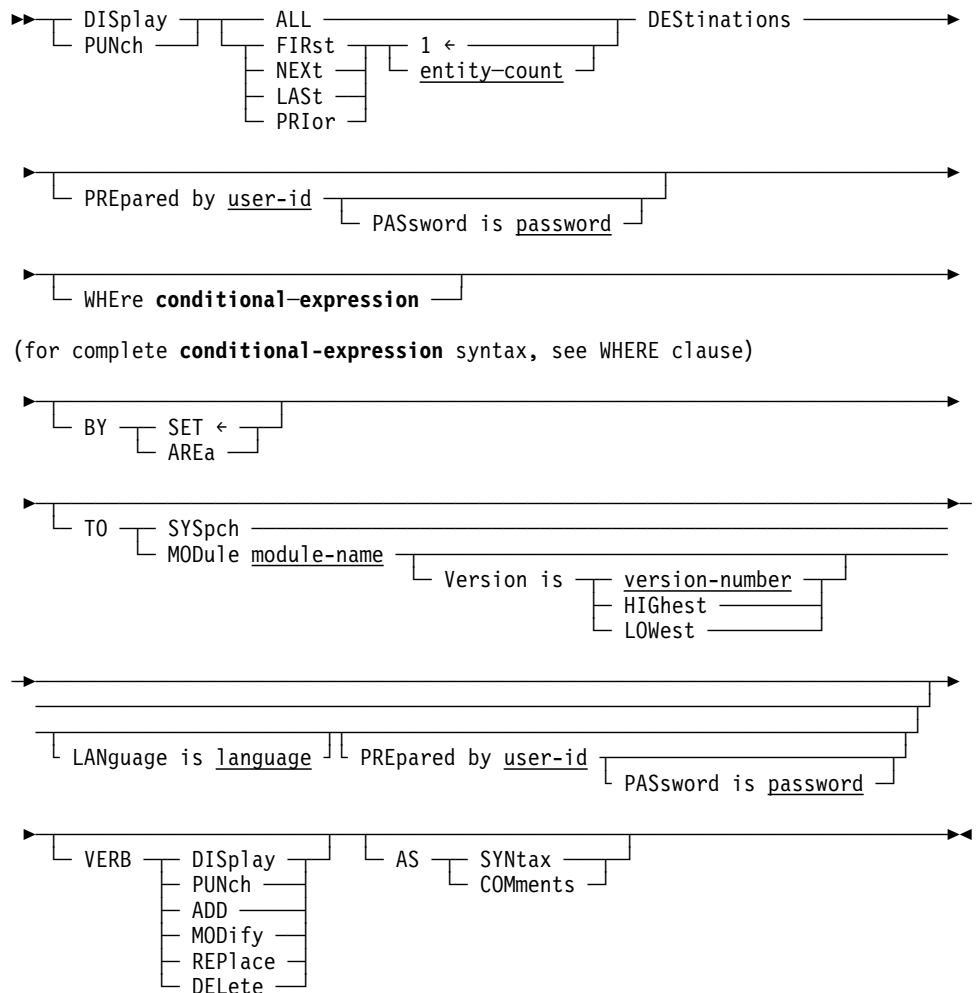


**Expansion of System-Specification****DISPLAY/PUNCH DESTINATION Statement (for single destination)**

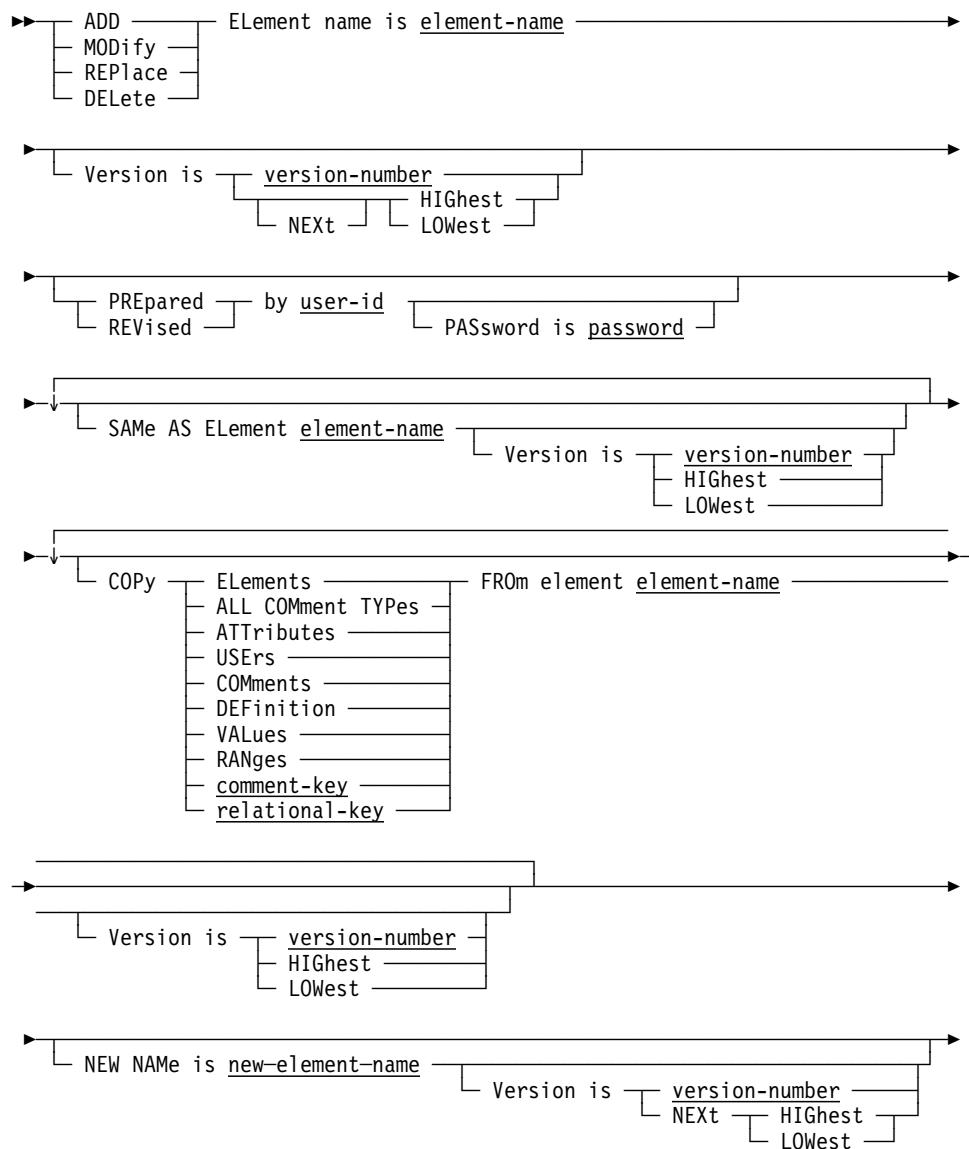
### 3.3 DESTINATION

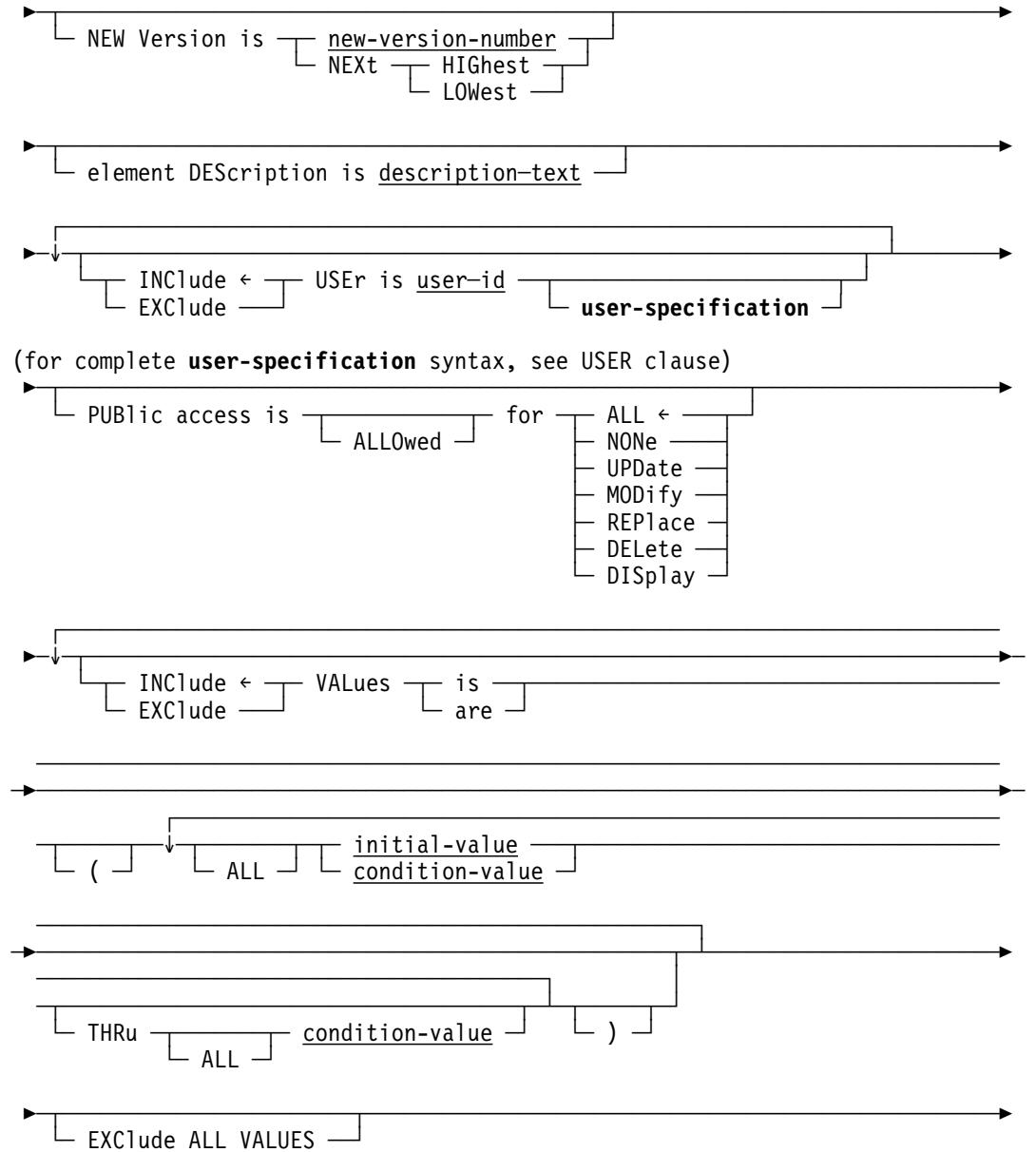
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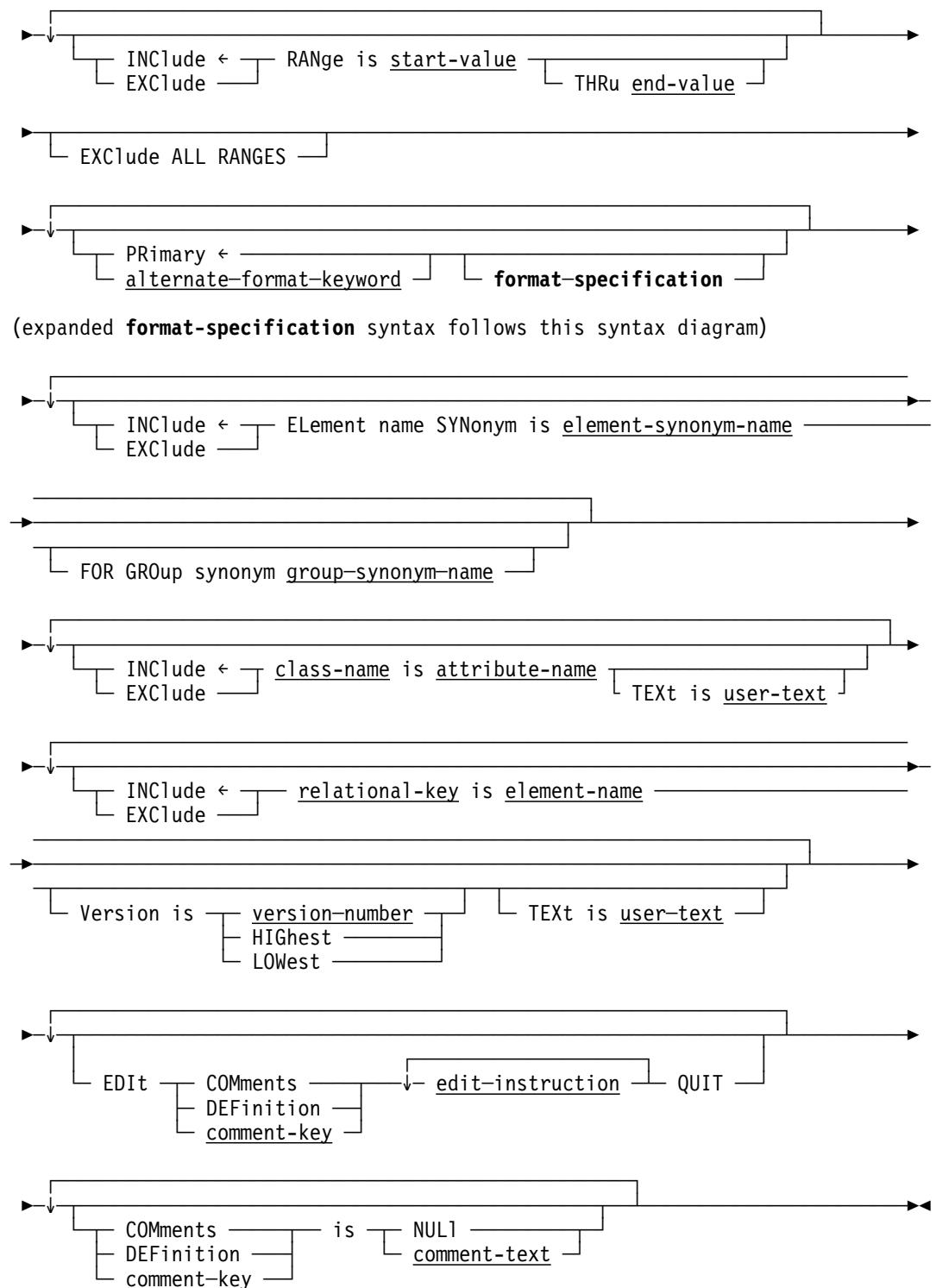


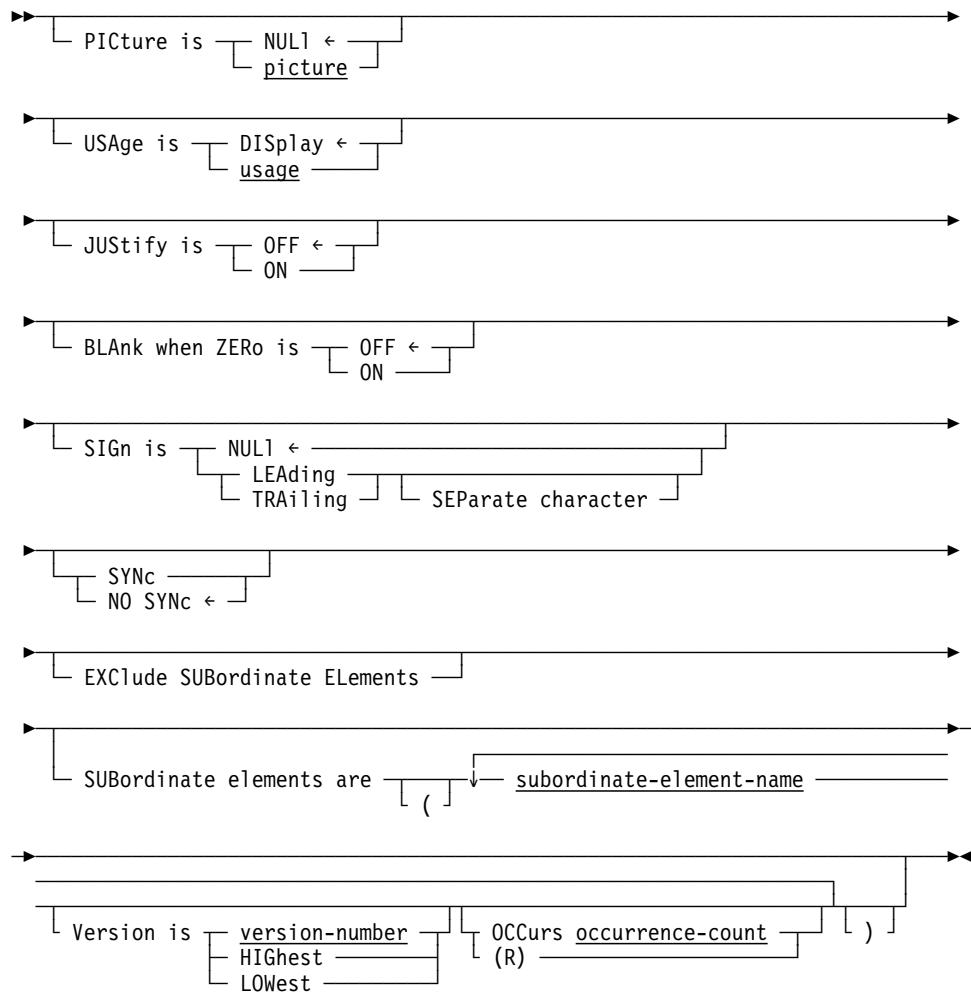
**DISPLAY/PUNCH DESTINATION Statement (for multiple destinations)**

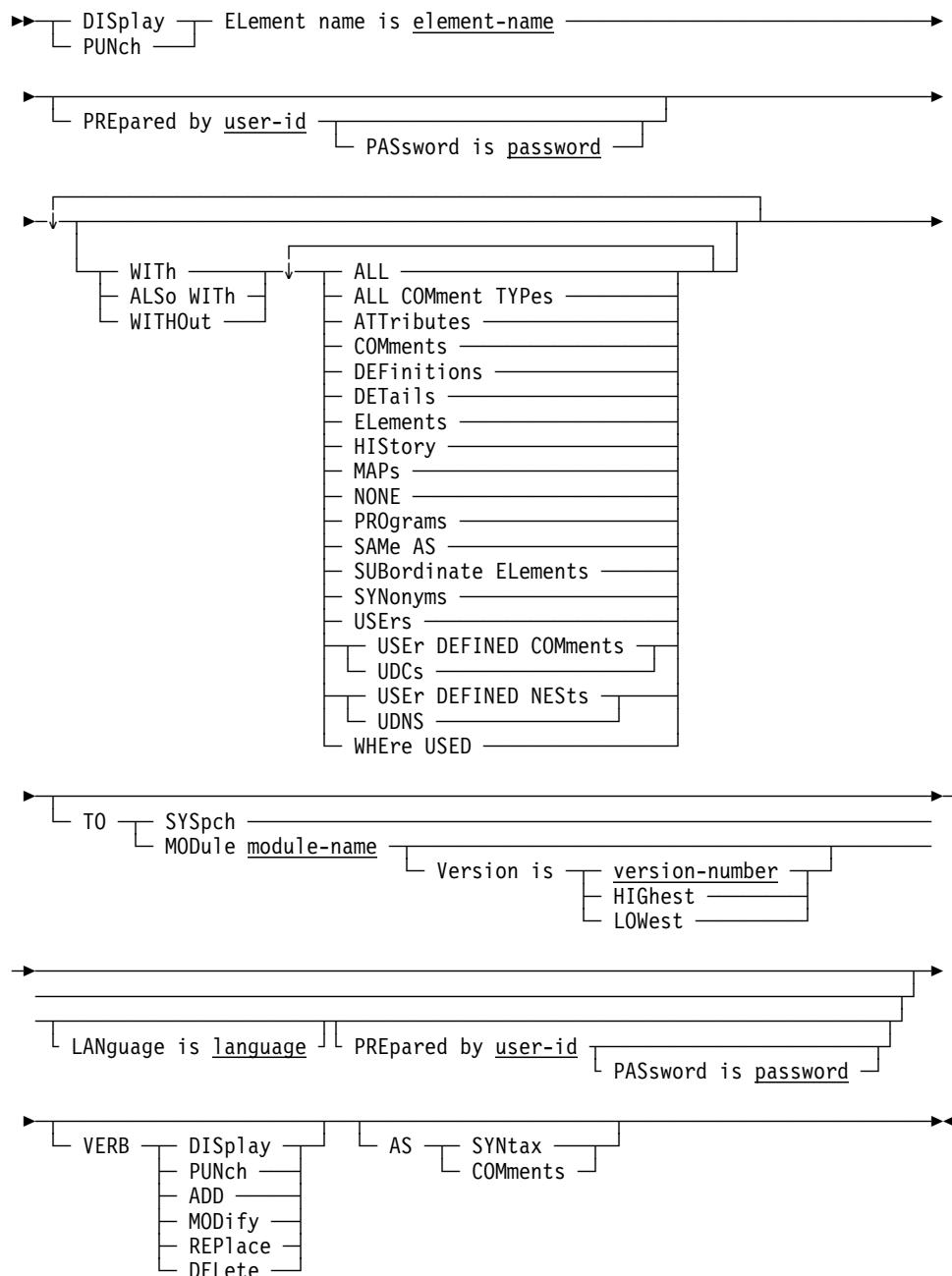
## 3.4 ELEMENT

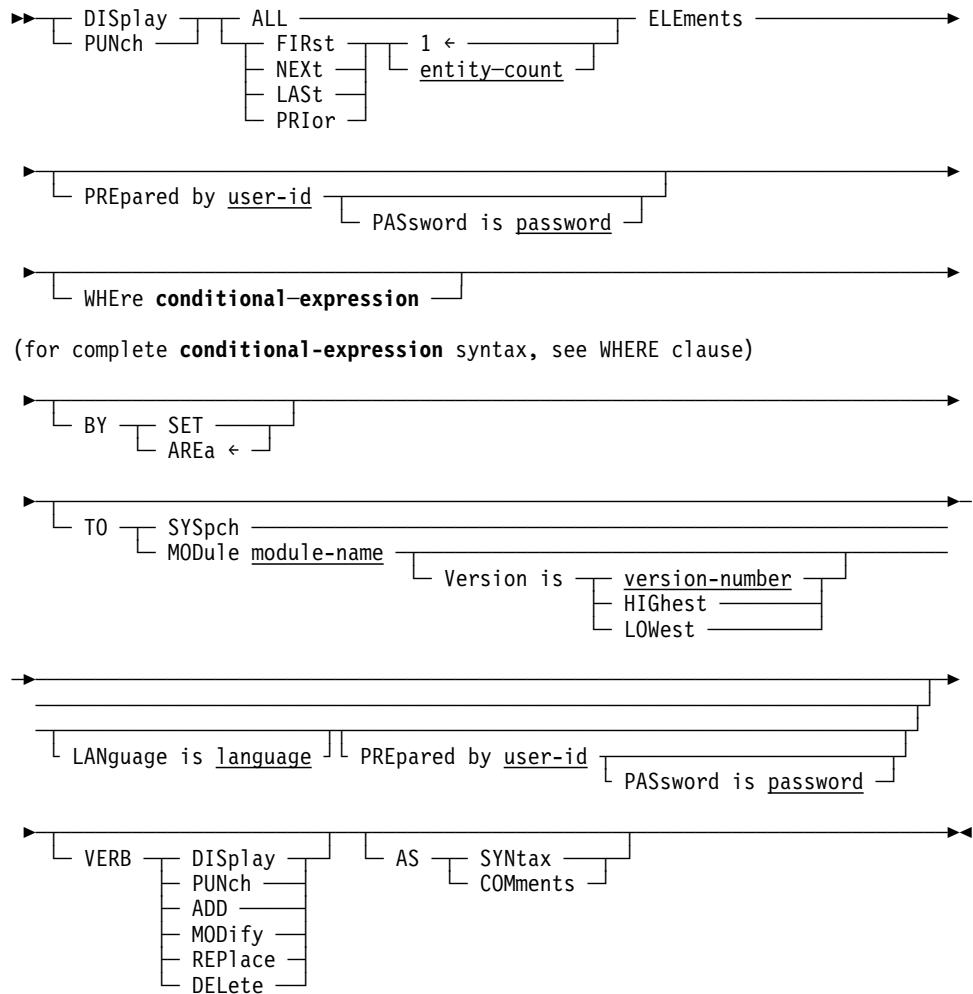




**Expansion of Format-Specification**

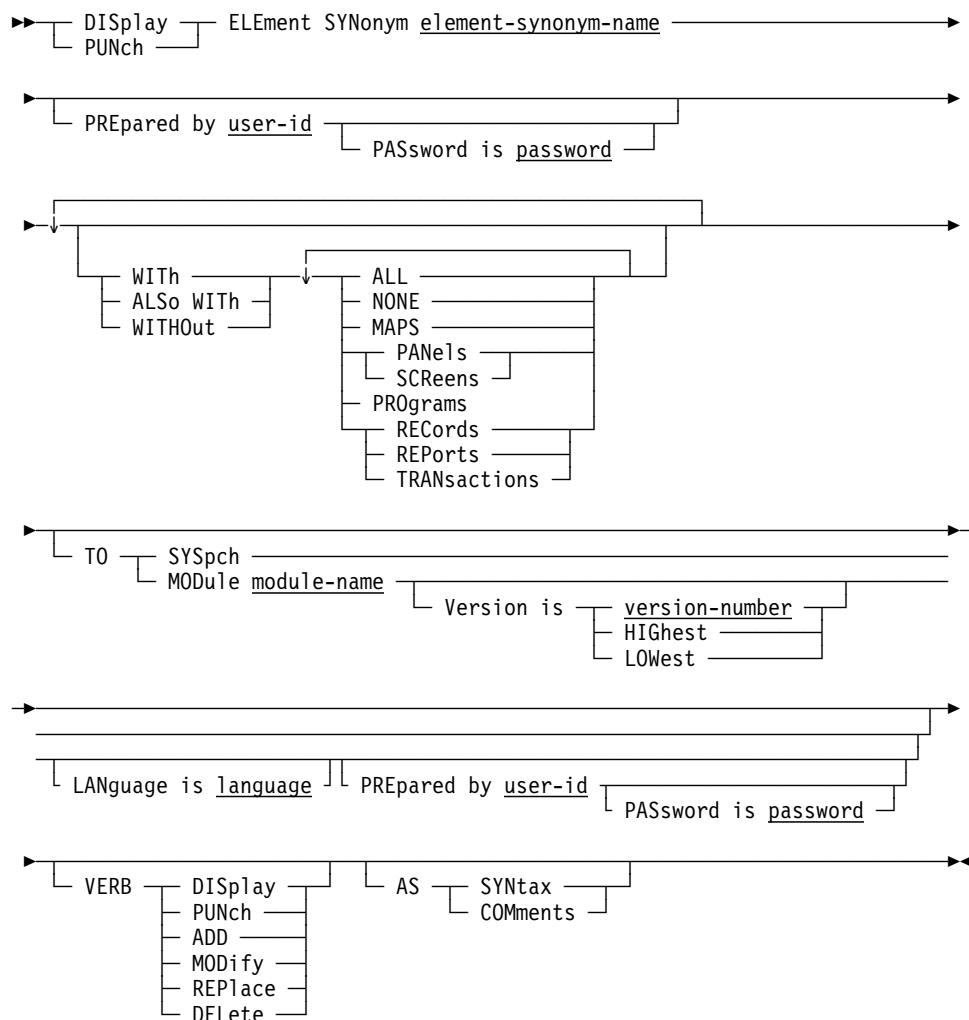


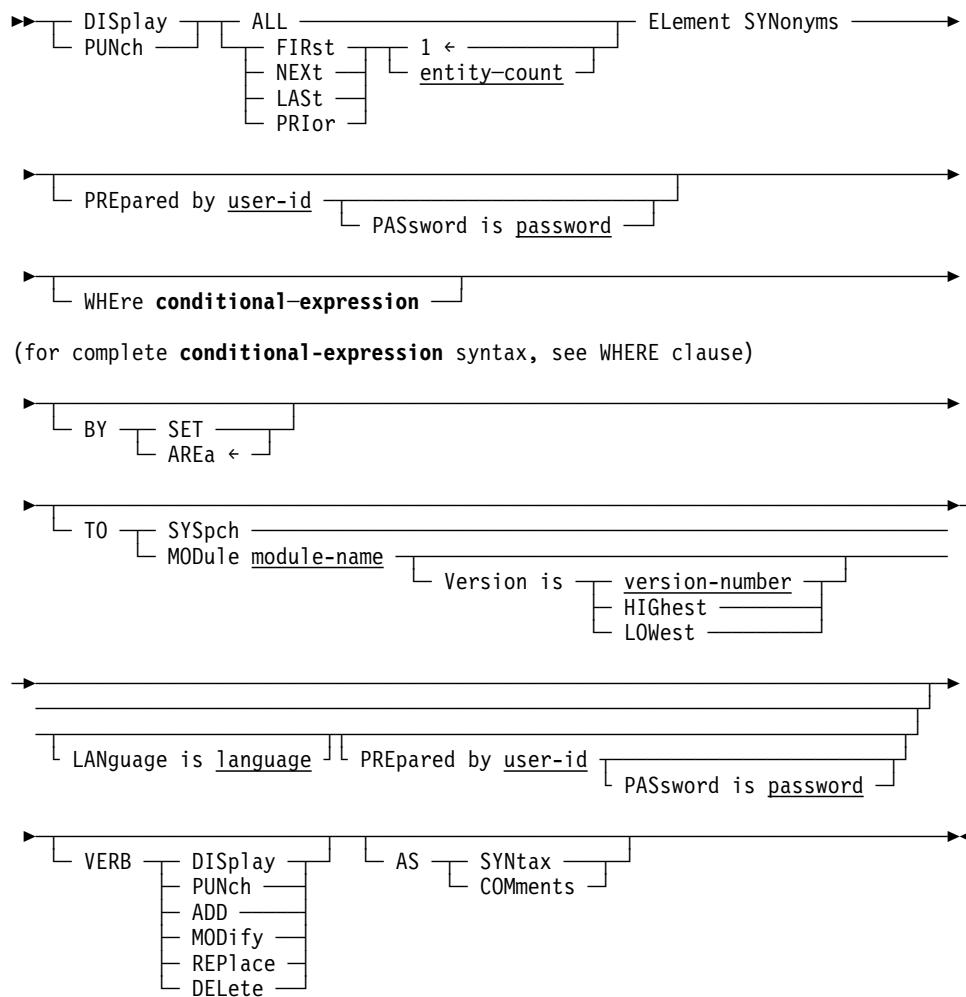
**DISPLAY/PUNCH ELEMENT Statement (for a single element)****DISPLAY/PUNCH ELEMENT Statement (for multiple elements)**



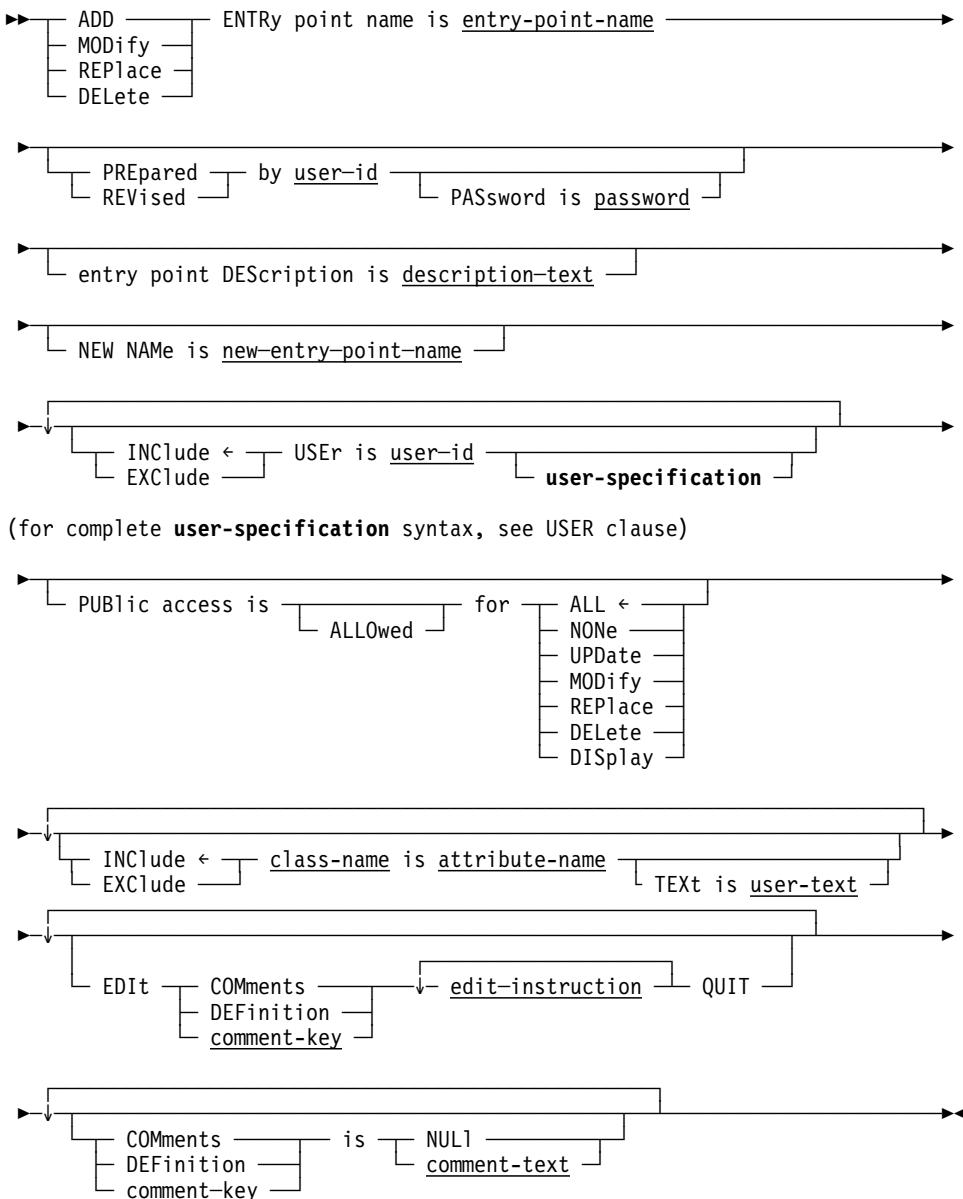
## 3.5 ELEMENT SYNONYM

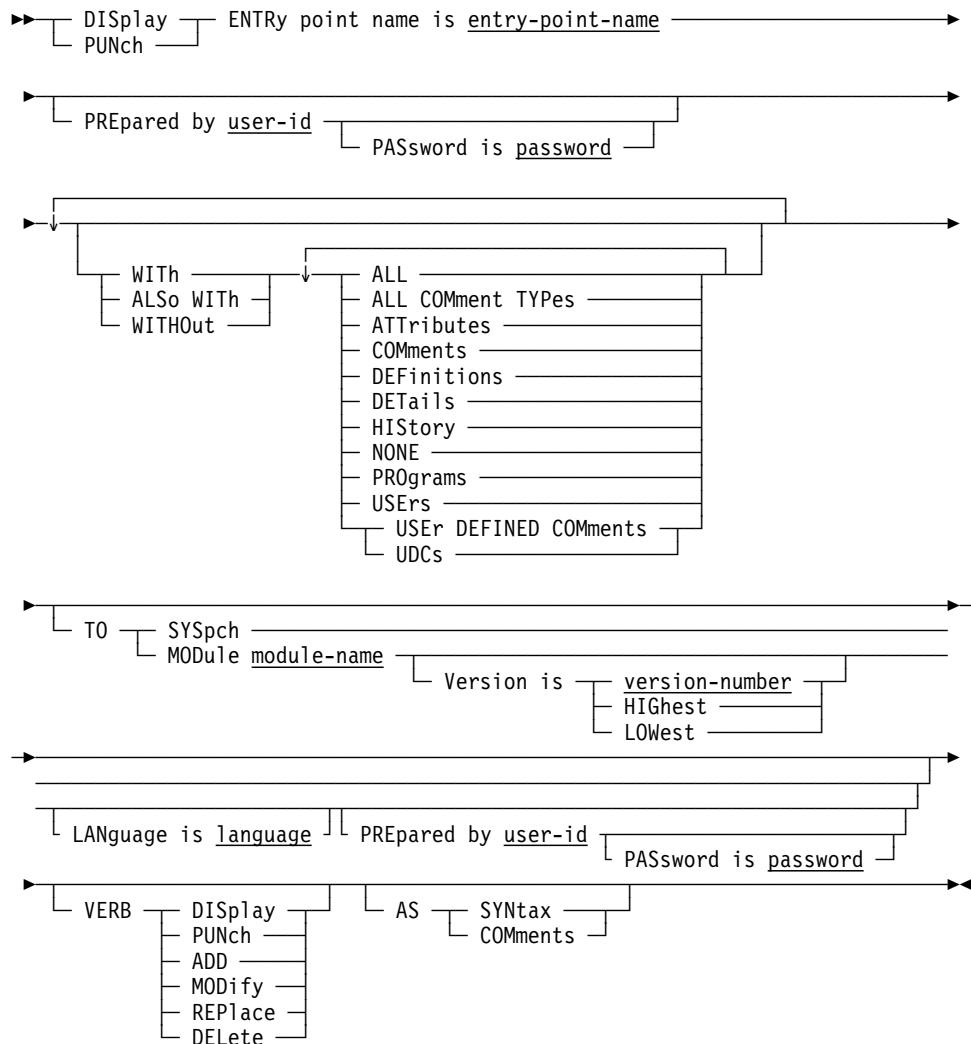
### DISPLAY/PUNCH ELEMENT SYNONYM Statement (for a single synonym)

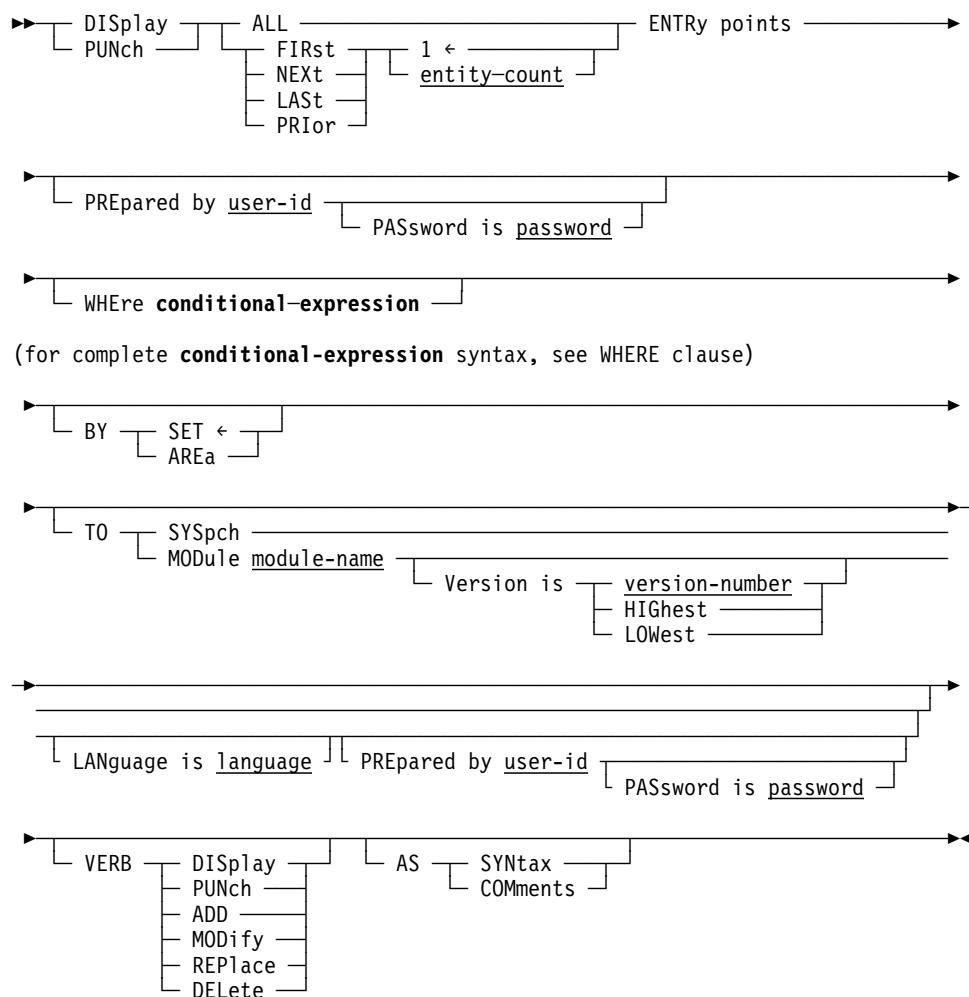


**DISPLAY/PUNCH ELEMENT SYNONYM Statement (for multiple synonyms)**

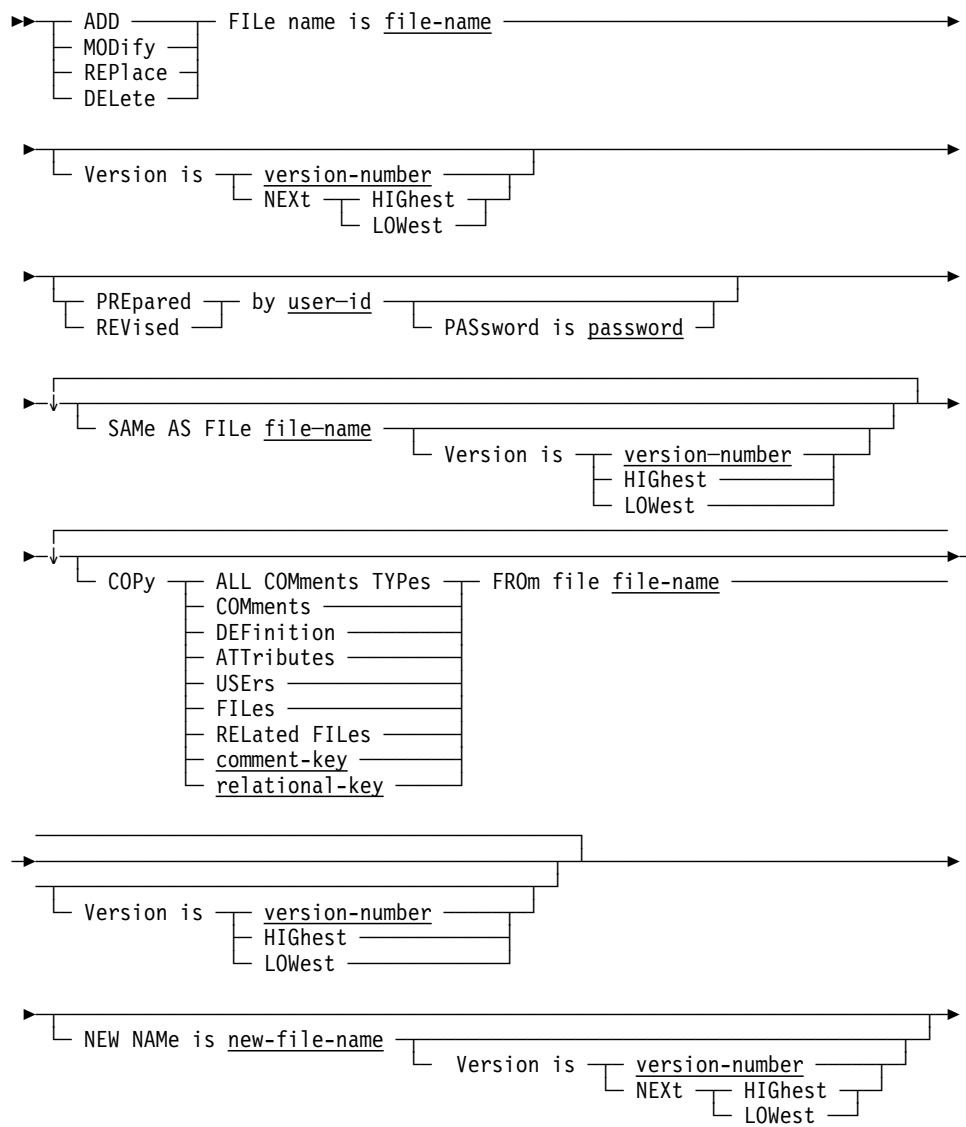
## 3.6 ENTRY POINT

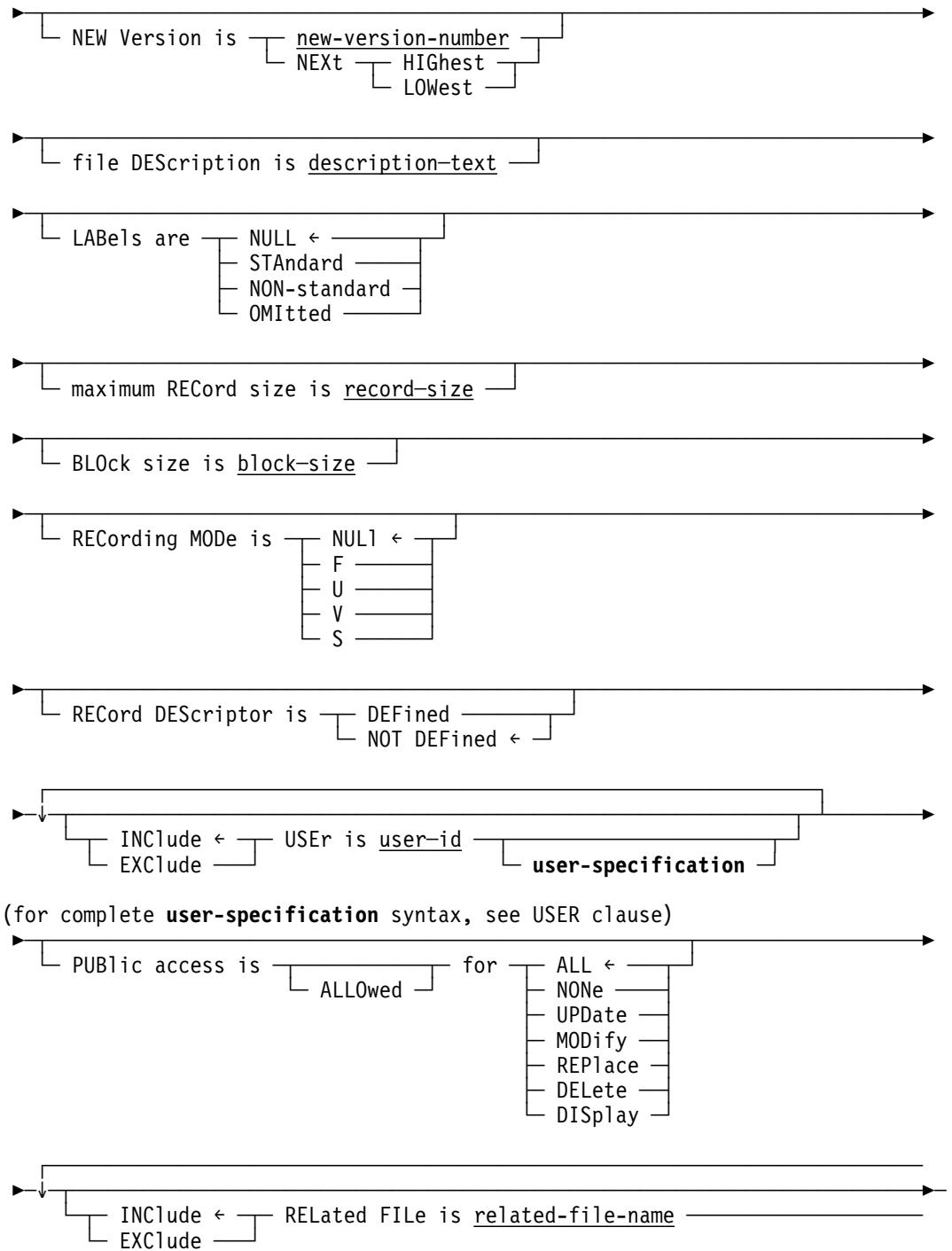


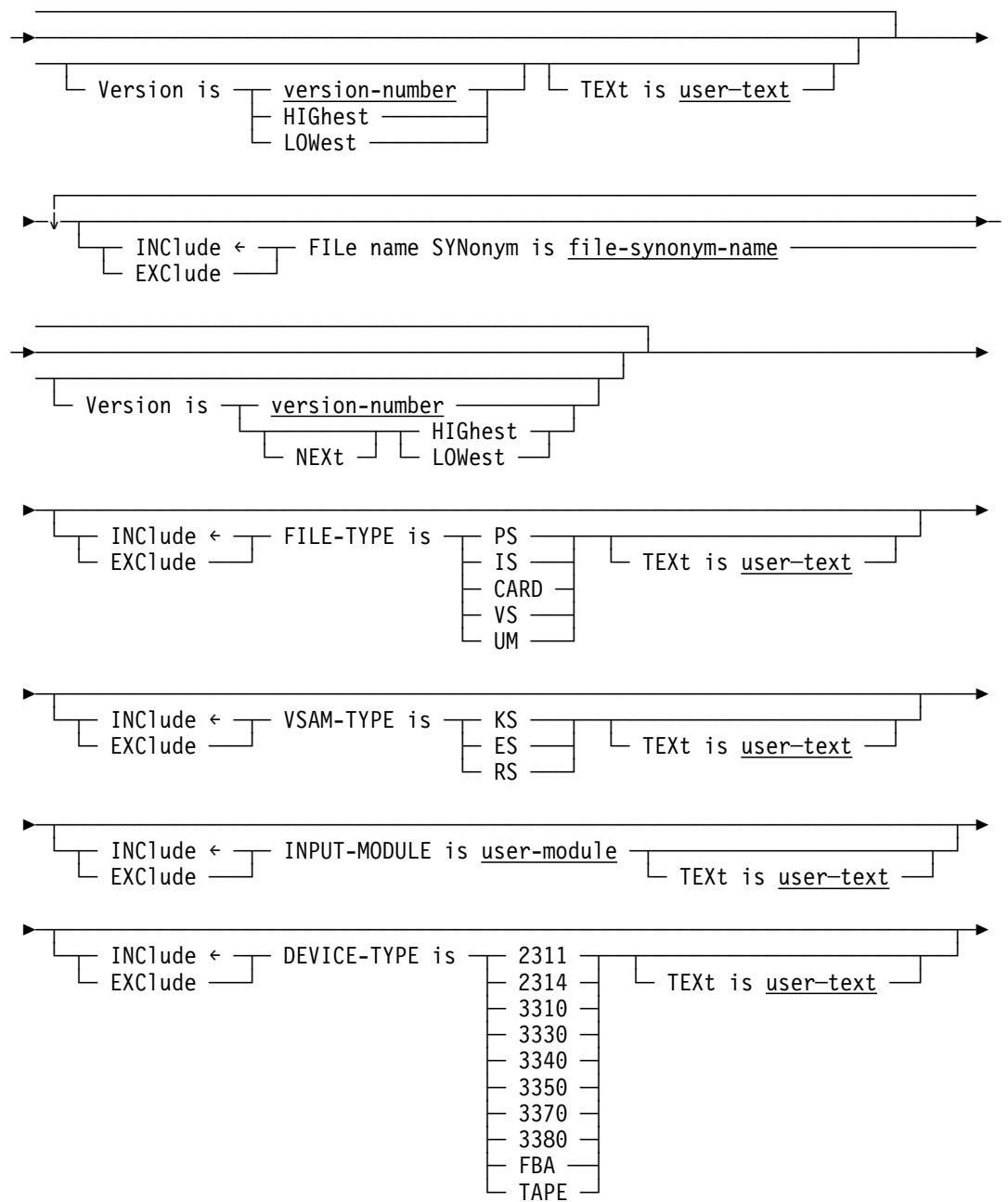
**DISPLAY/PUNCH ENTRY POINT Statement (for a single entry point)**

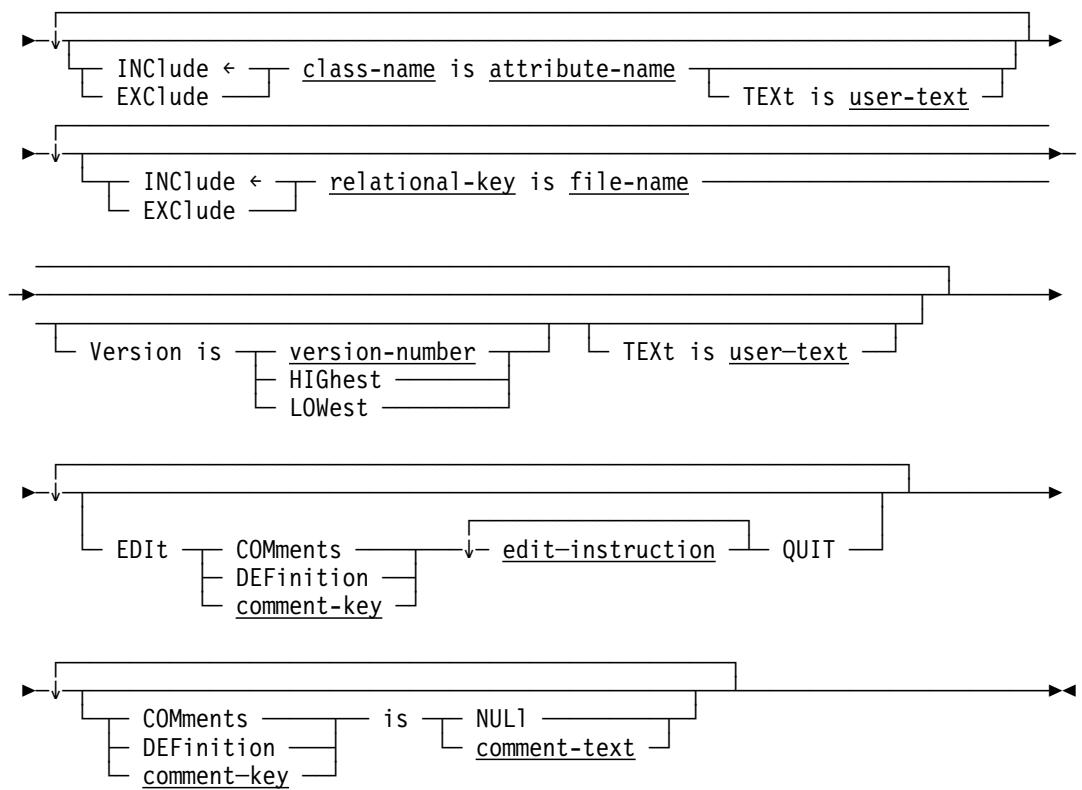
**DISPLAY/PUNCH ENTRY POINT Statement (for multiple entry points)**

## 3.7 FILE

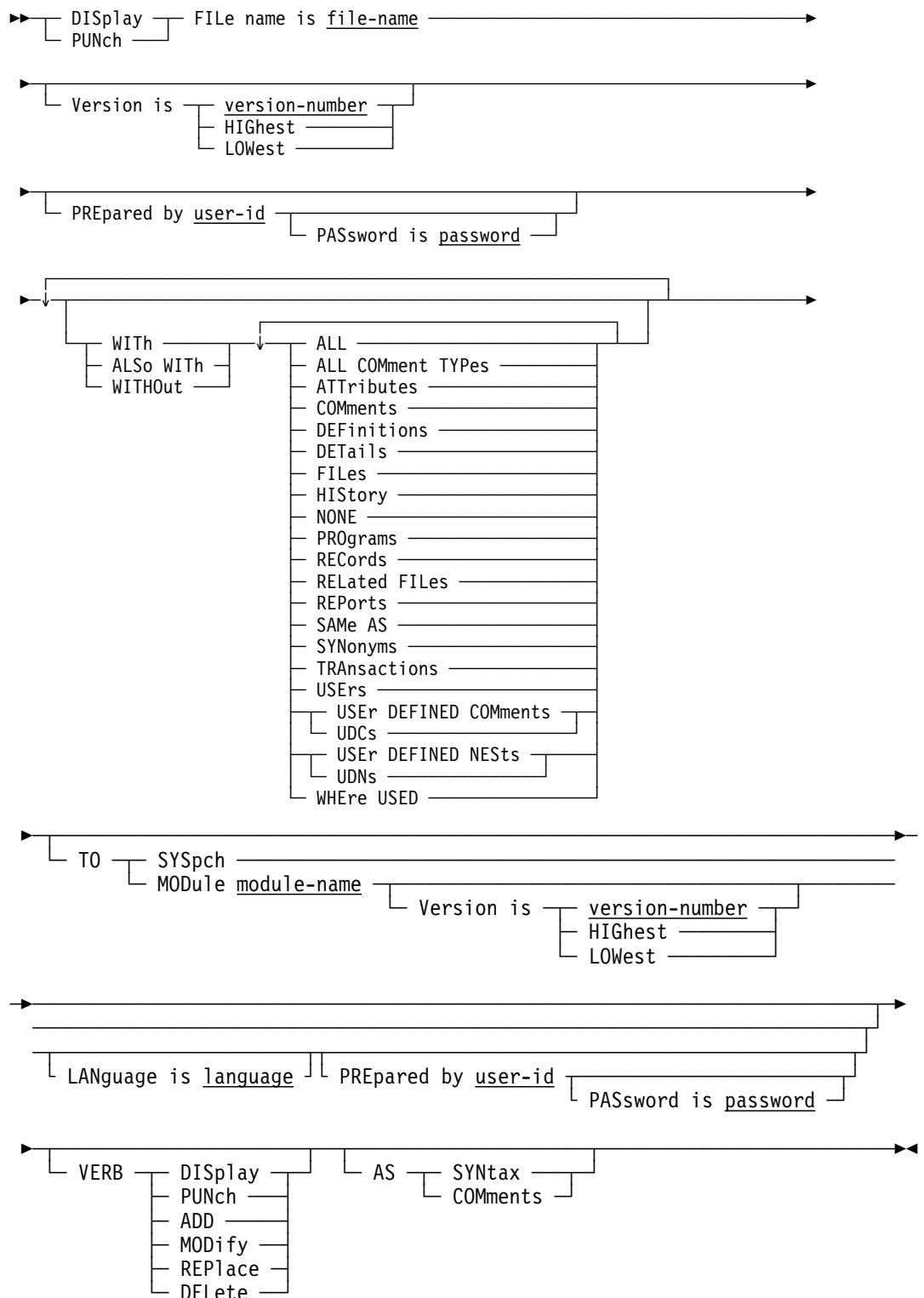


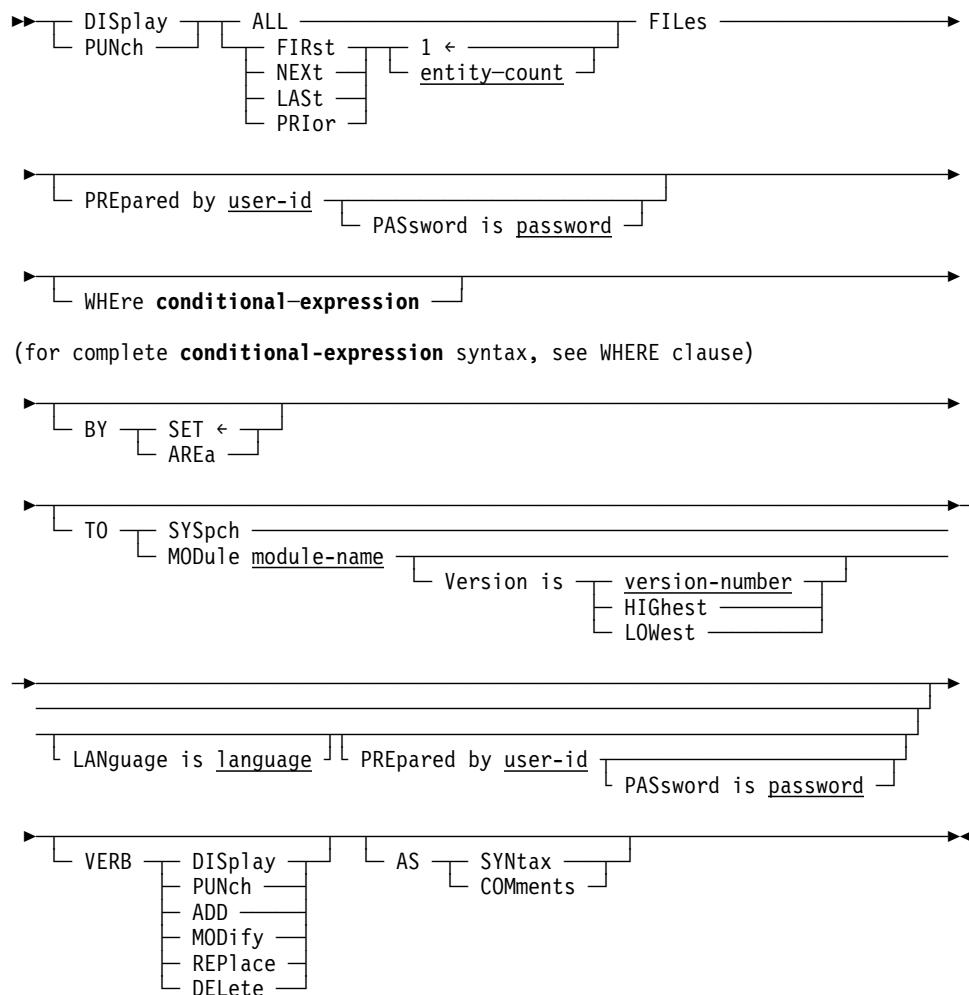






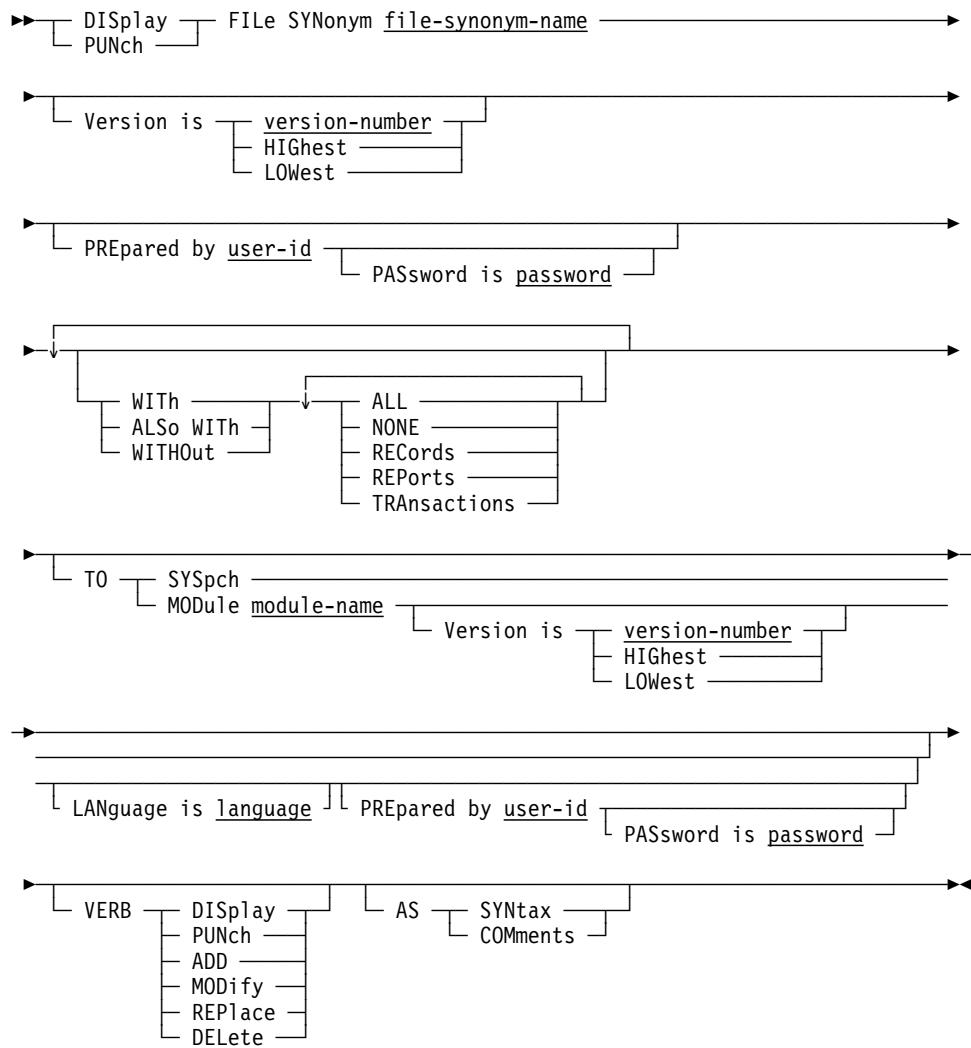
## **DISPLAY/PUNCH FILE Statement (for a single file)**

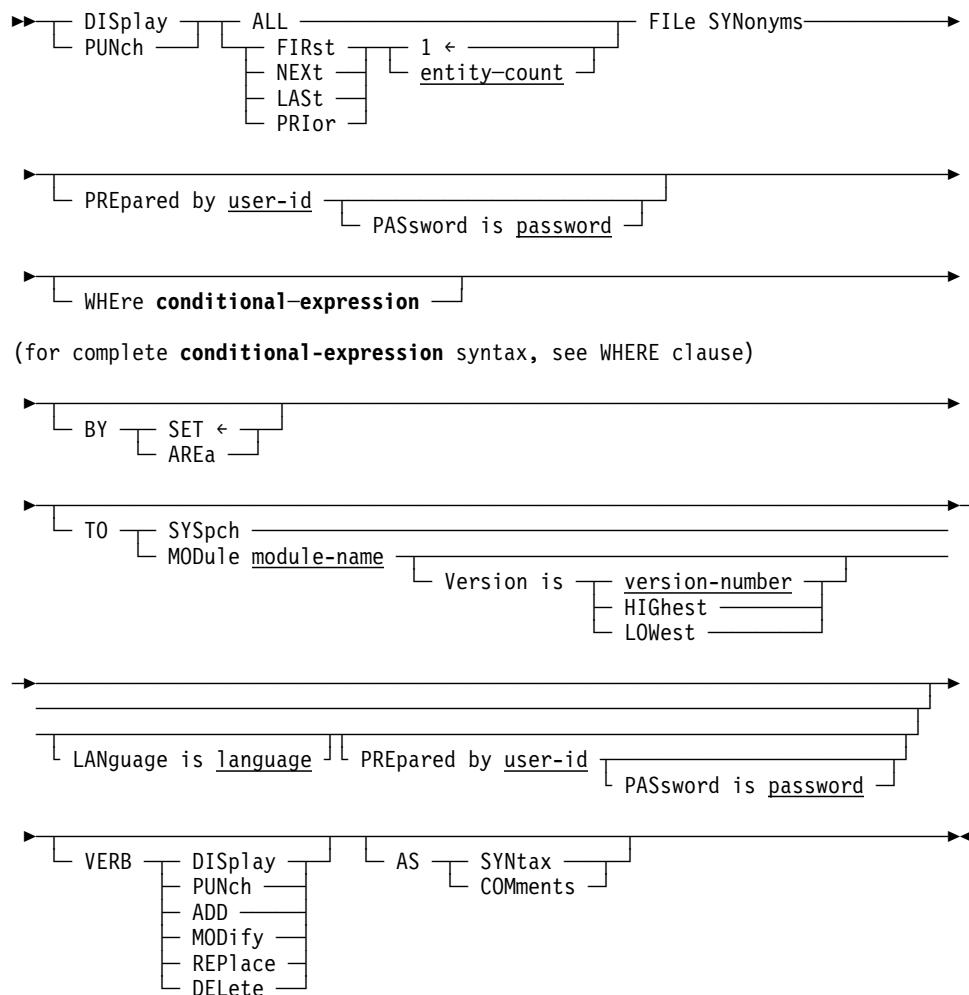


**DISPLAY/PUNCH FILE Statement (for multiple files)**

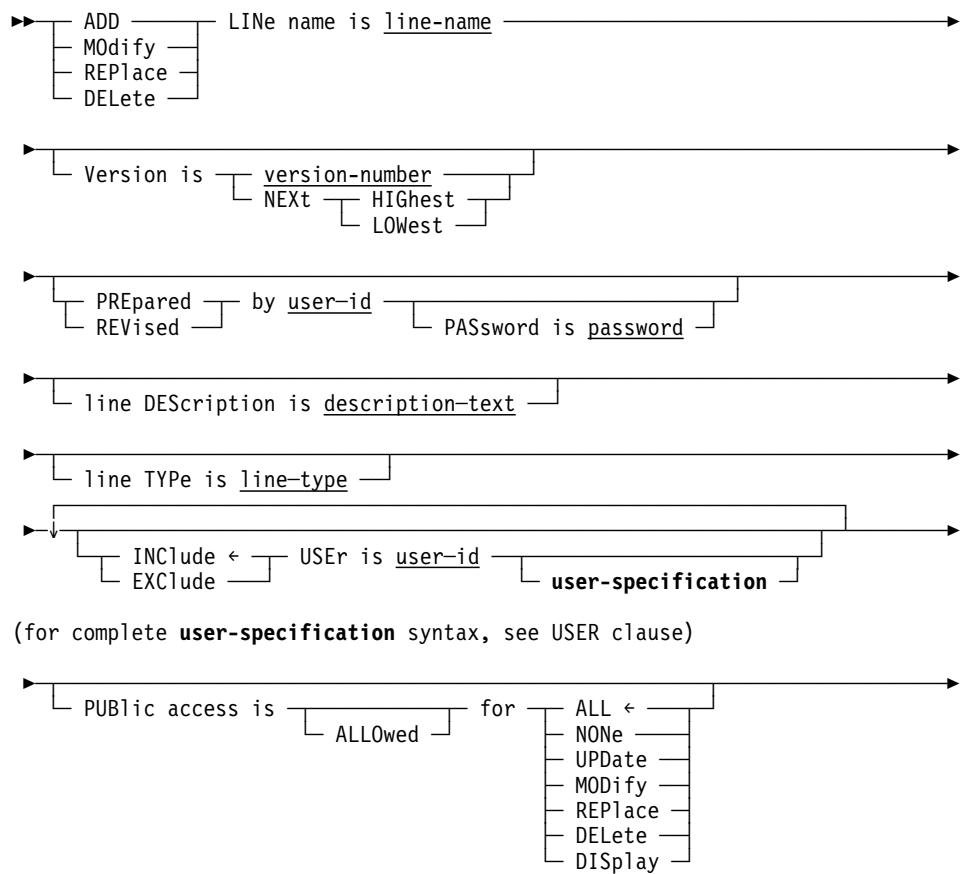
## 3.8 FILE SYNONYM

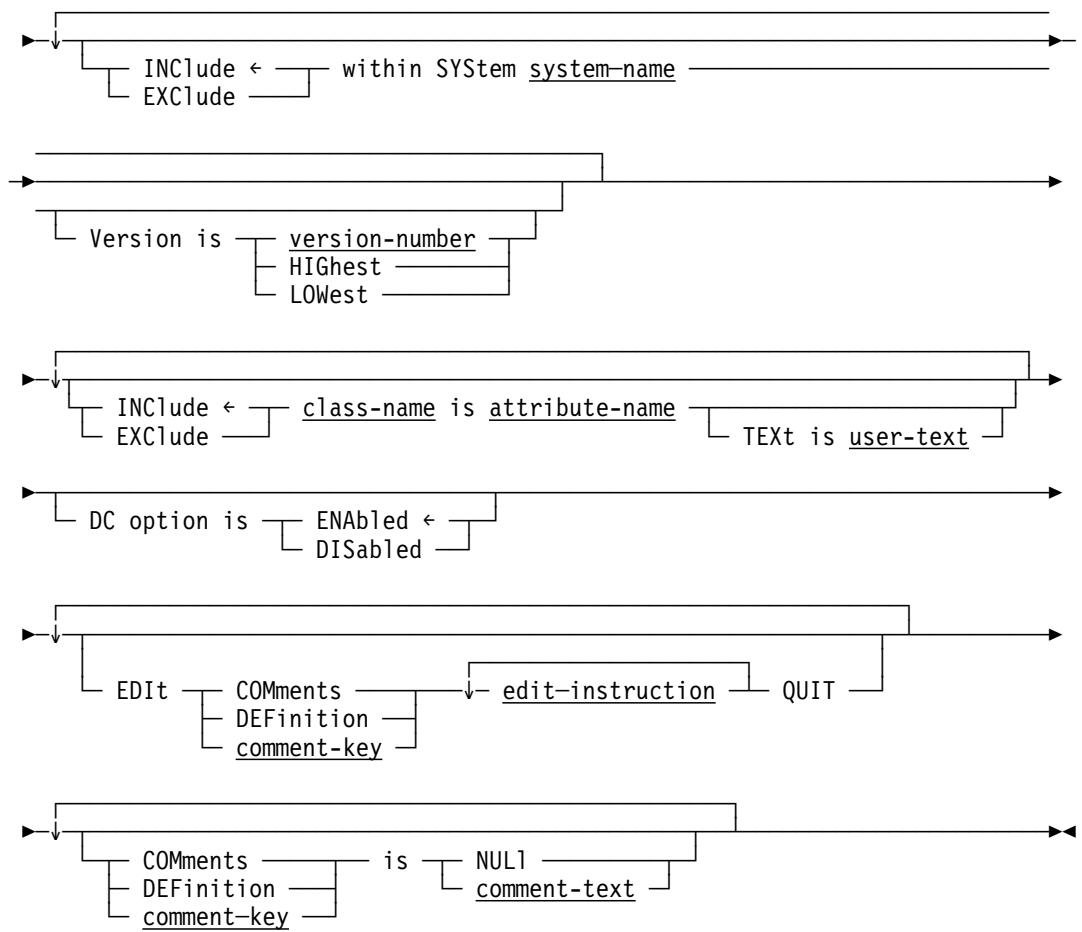
### DISPLAY/PUNCH FILE SYNONYM Statement (for a single synonym)

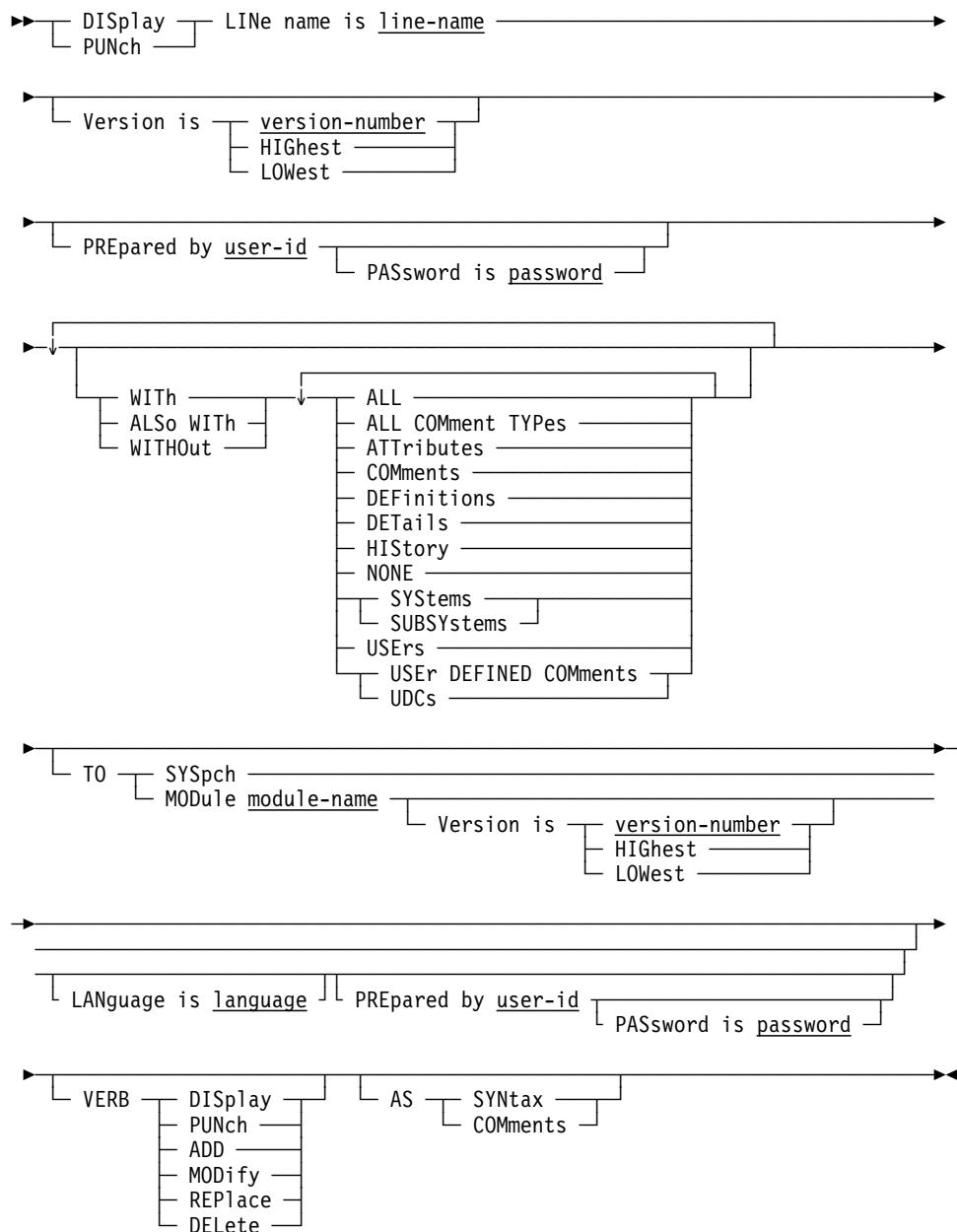


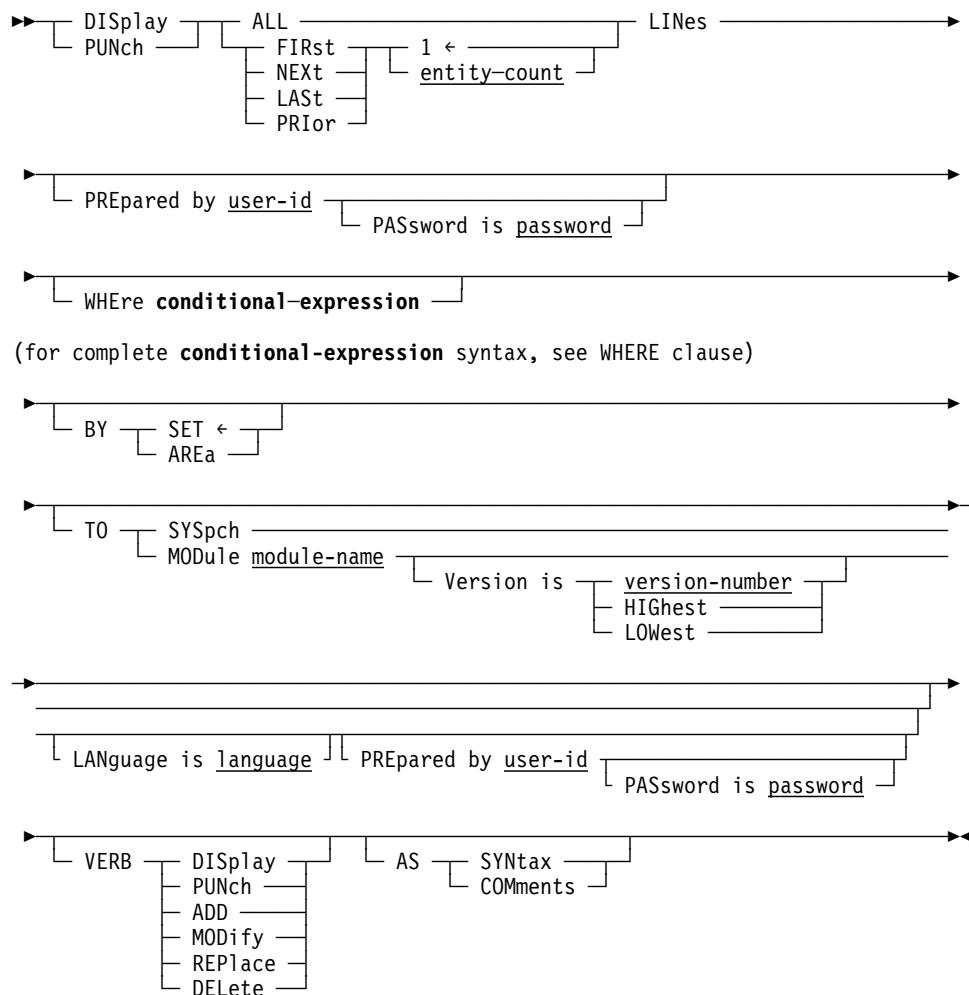
**DISPLAY/PUNCH FILE SYONYMS Statement (for multiple synonyms)**

## 3.9 LINE

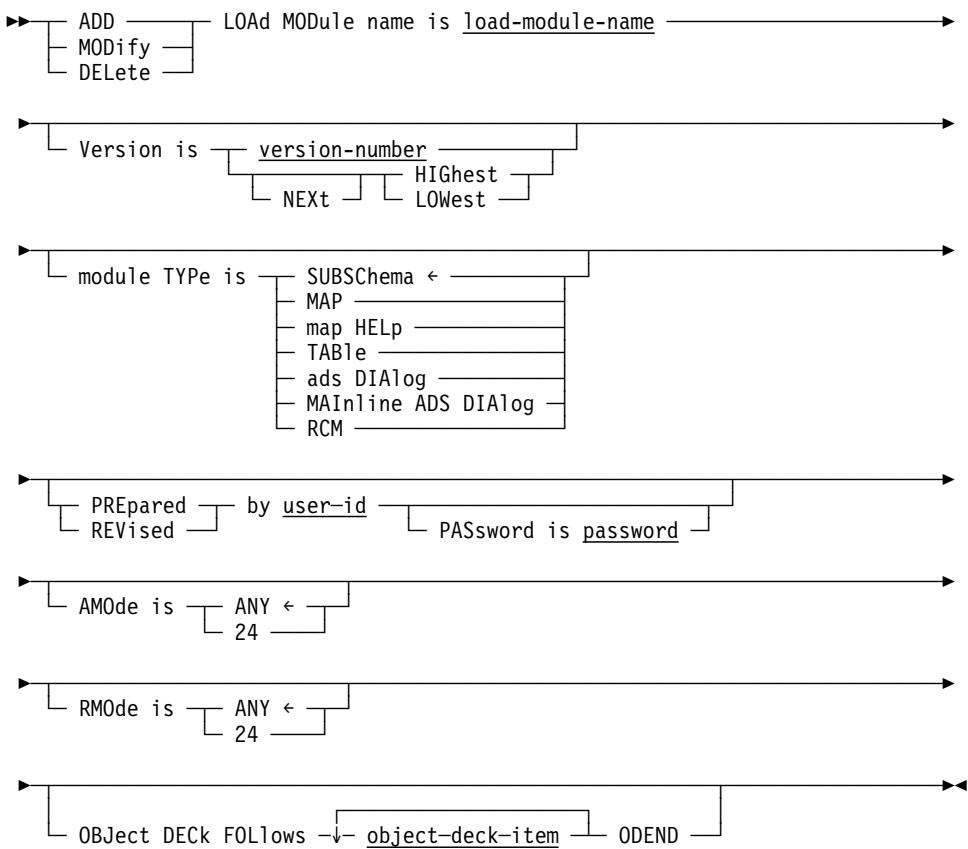




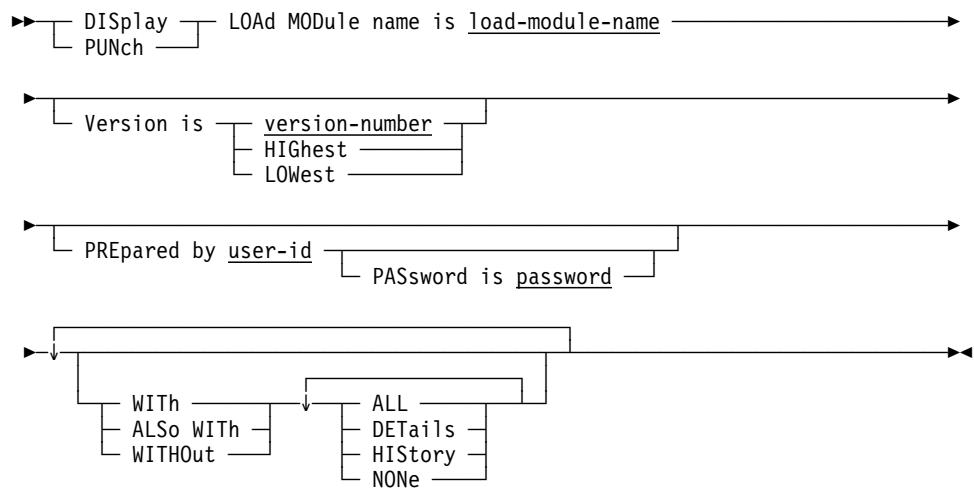
**DISPLAY/PUNCH LINE Statement (for a single line)**

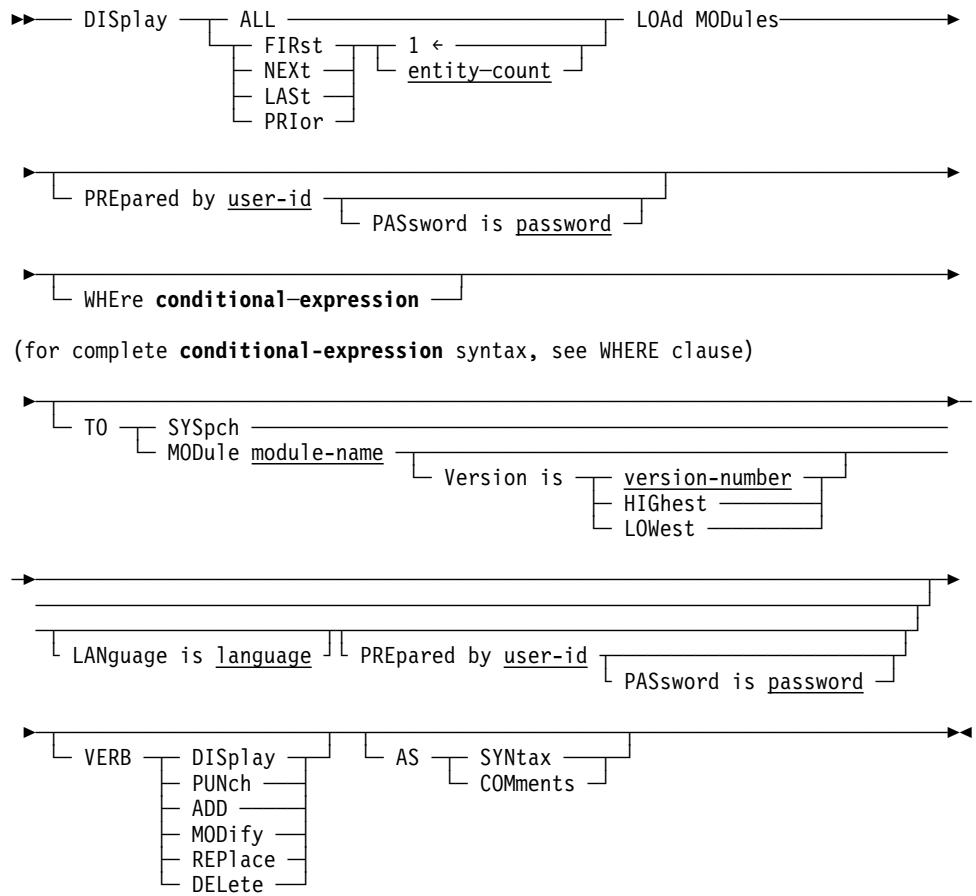
**DISPLAY/PUNCH LINE Statement (for multiple lines)**

## 3.10 LOAD MODULE



**DISPLAY LOAD MODULE Statement (for a single load module)**

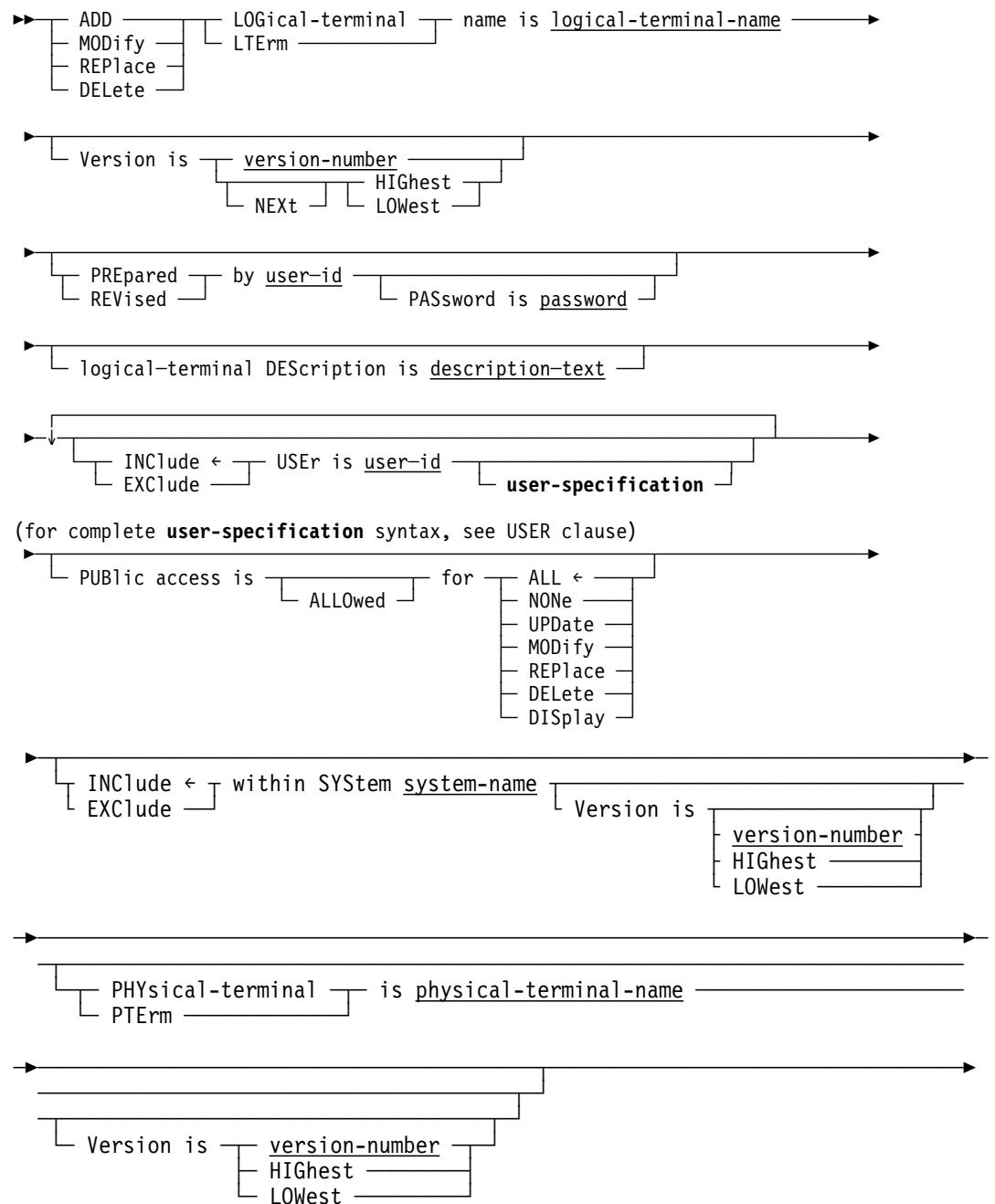


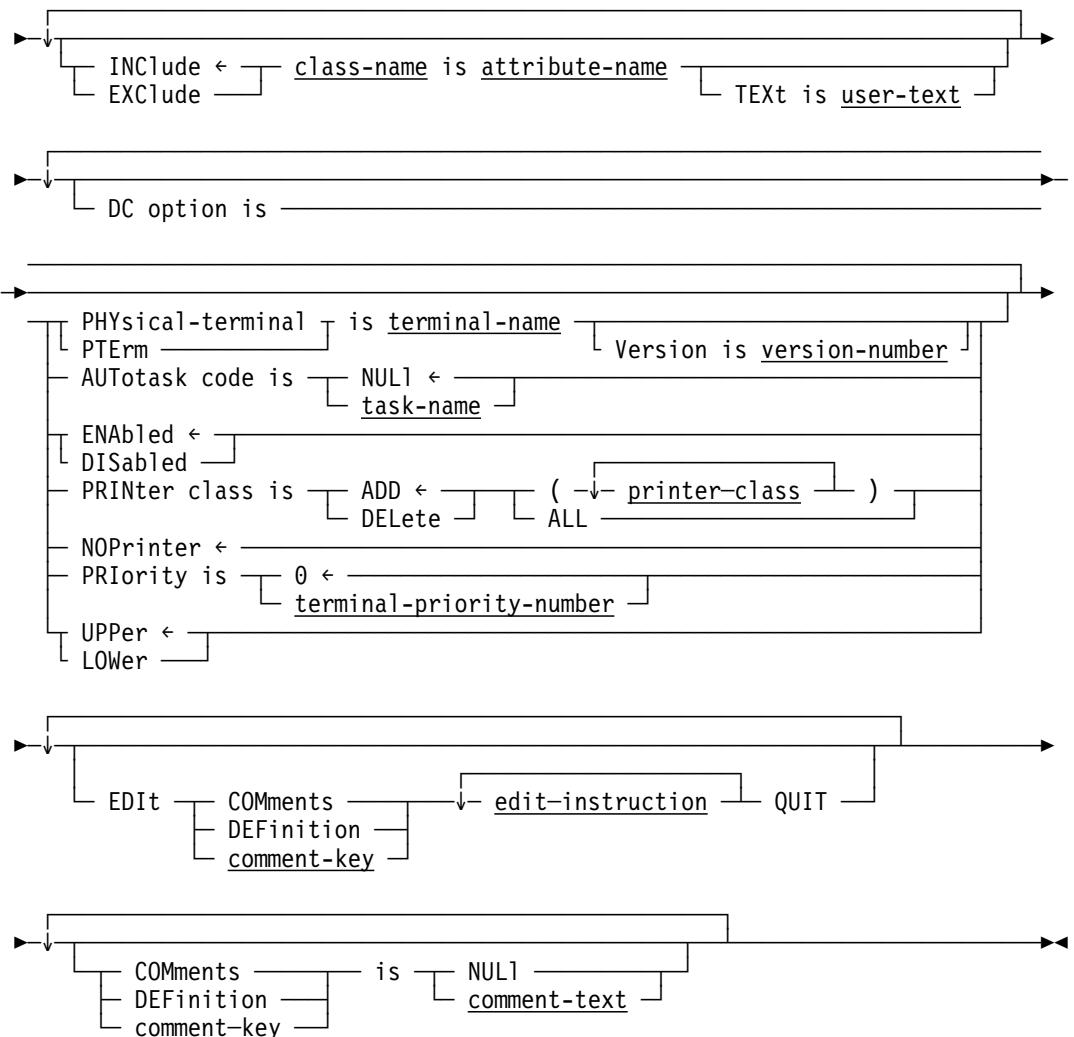
**DISPLAY LOAD MODULE Statement (for multiple load modules)**

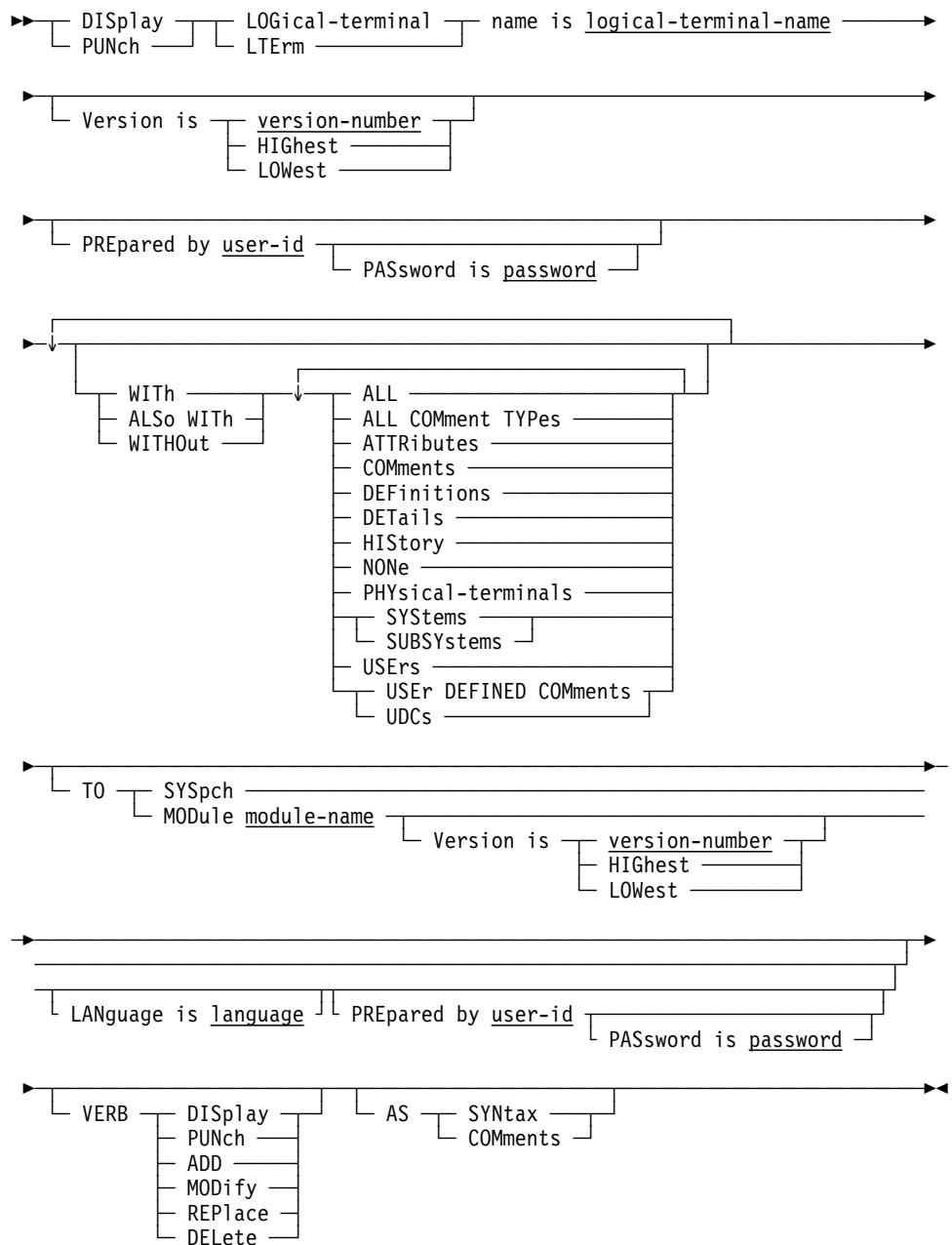
**PUNCH LOAD MODULE Statement**

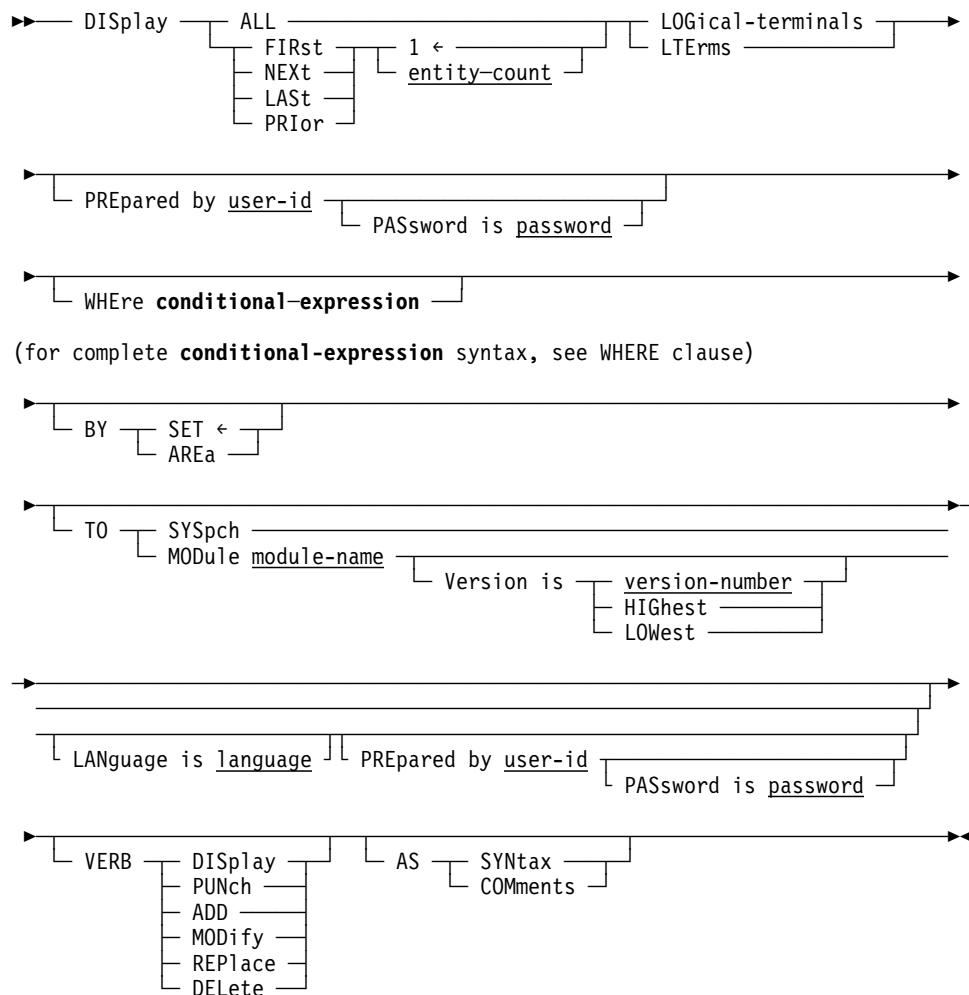
```
►► PUNch LOAd MODule name is load-module-name →  
      ↘ Version is ↗  
          ↗ version-number ↗  
          ↗ HIGhest ↗  
          ↗ LOWest ↗  
      ↘ PREpared by user-id ↗  
          ↗ PASsword is password ↗  
      ↘ WITh SYNtax ↗  
      ↘ ↗
```

### **3.11 LOGICAL TERMINAL**

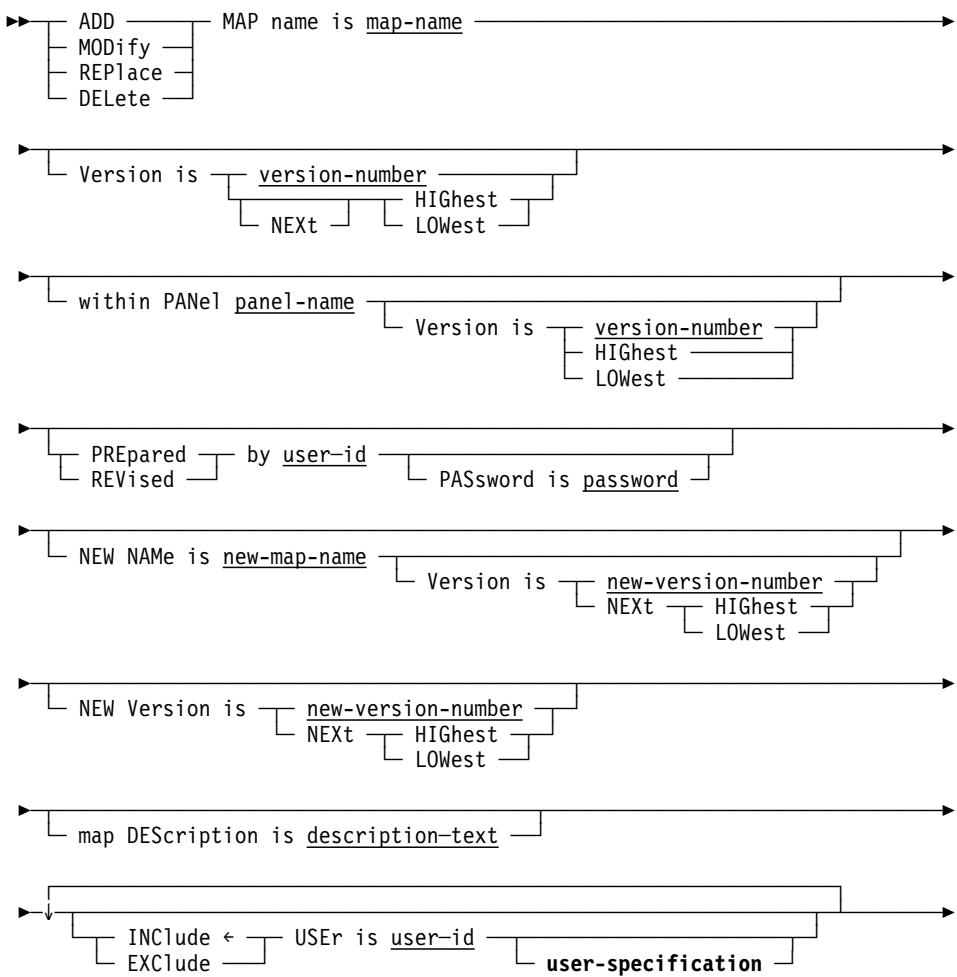




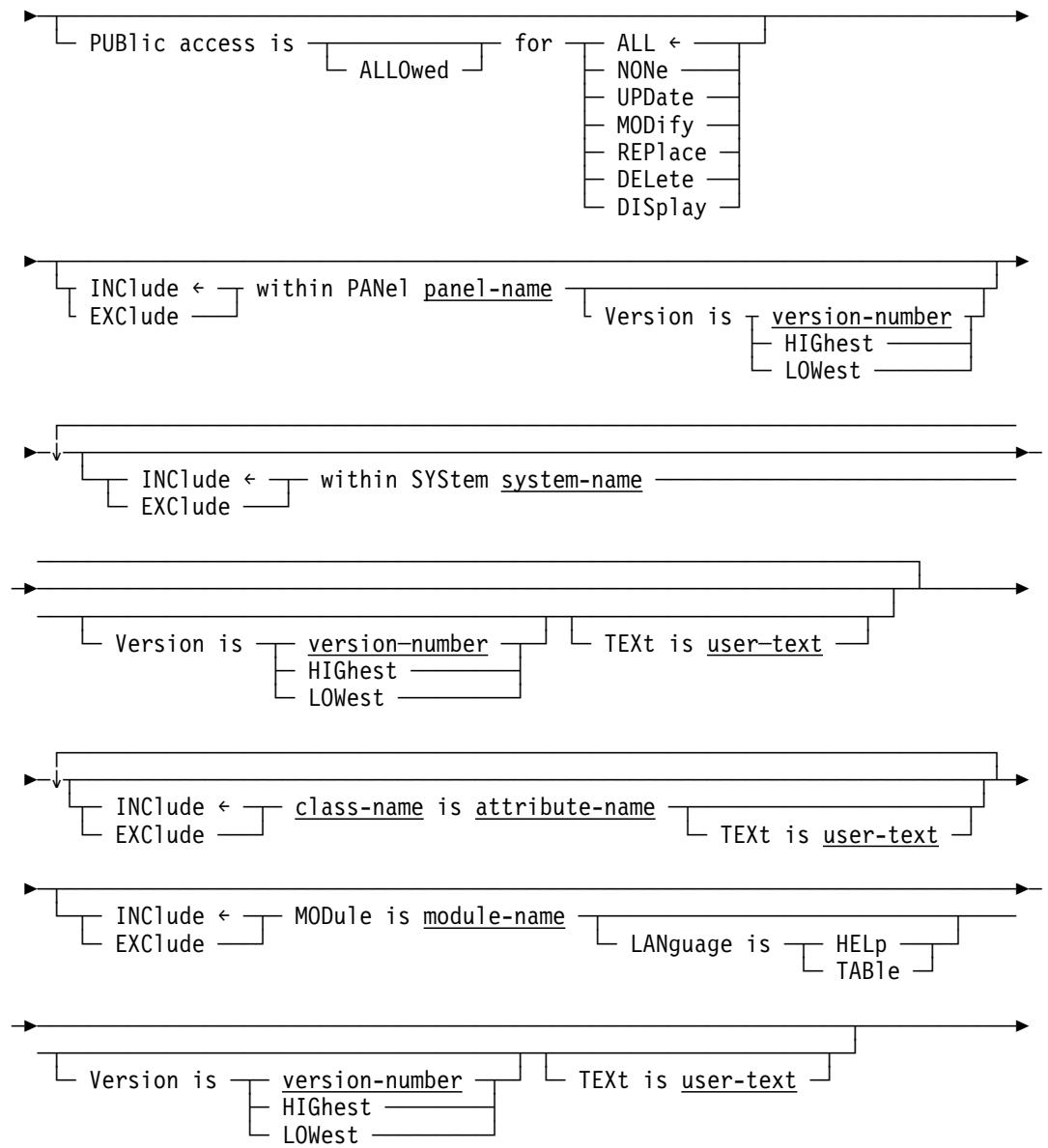
**DISPLAY/PUNCH LOGICAL-TERMINAL Statement (for a single terminal)**

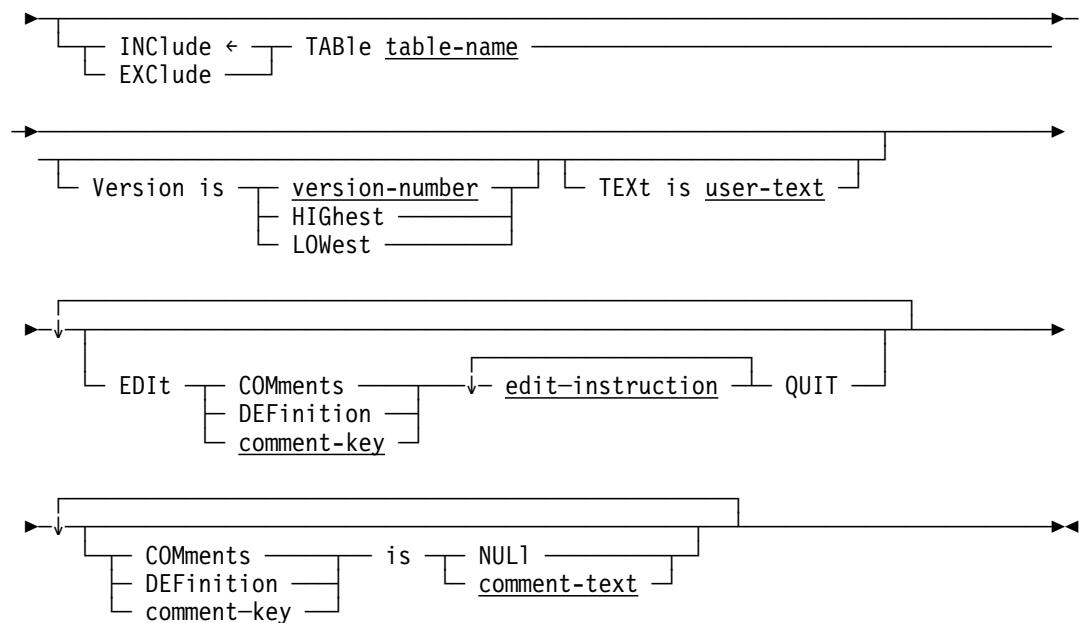
**DISPLAY/PUNCH LOGICAL-TERMINAL Statement (for multiple terminals)**

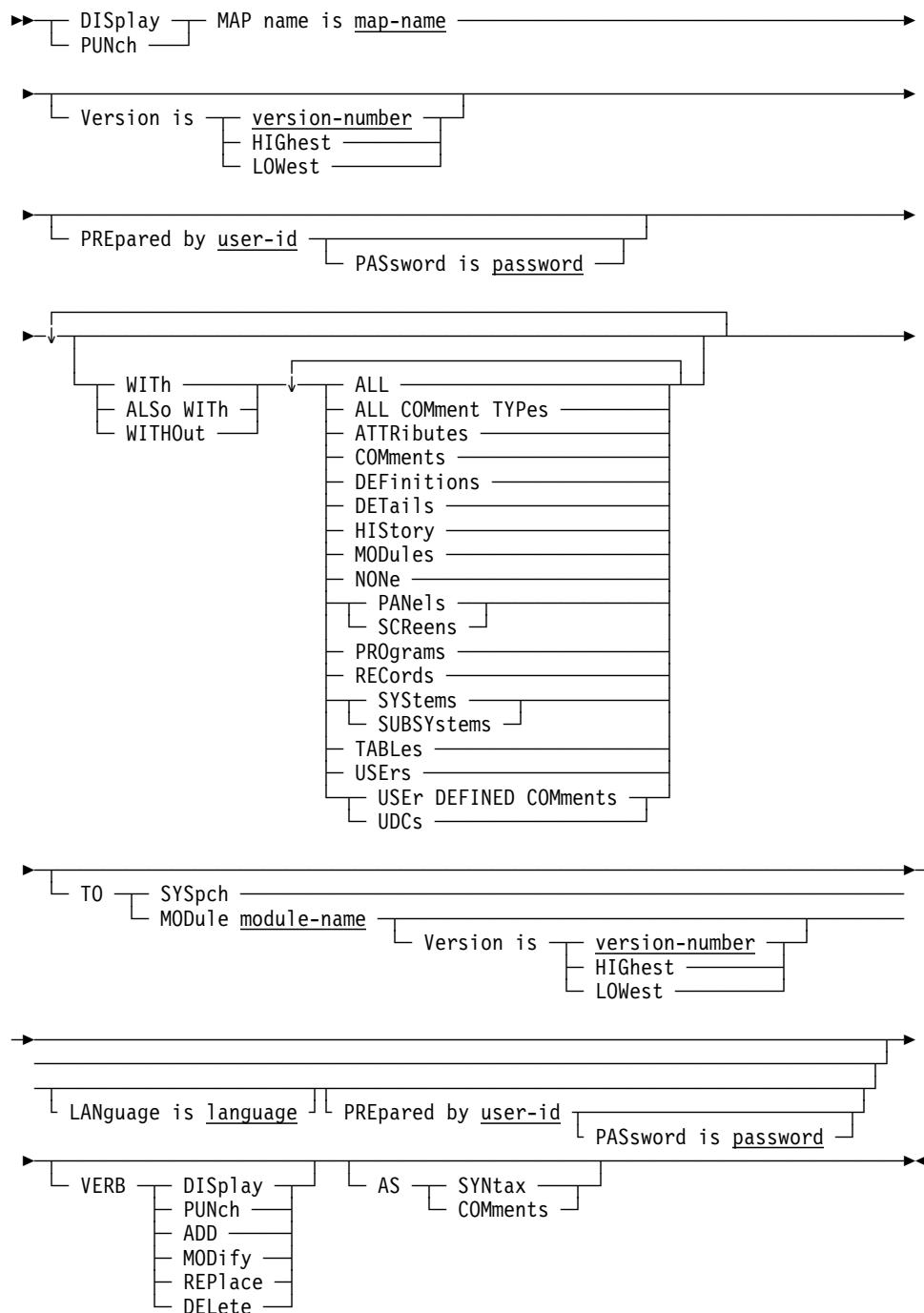
## 3.12 MAP

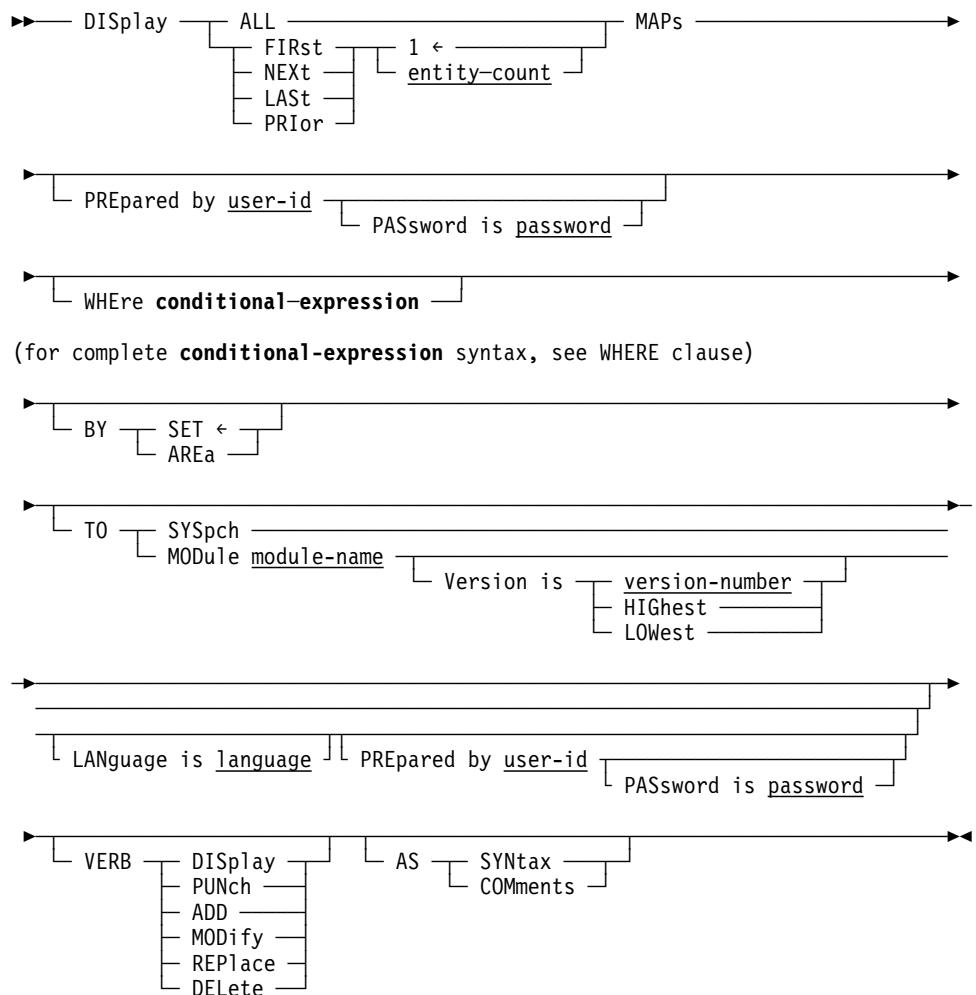


(for complete **user-specification** syntax, see USER clause)

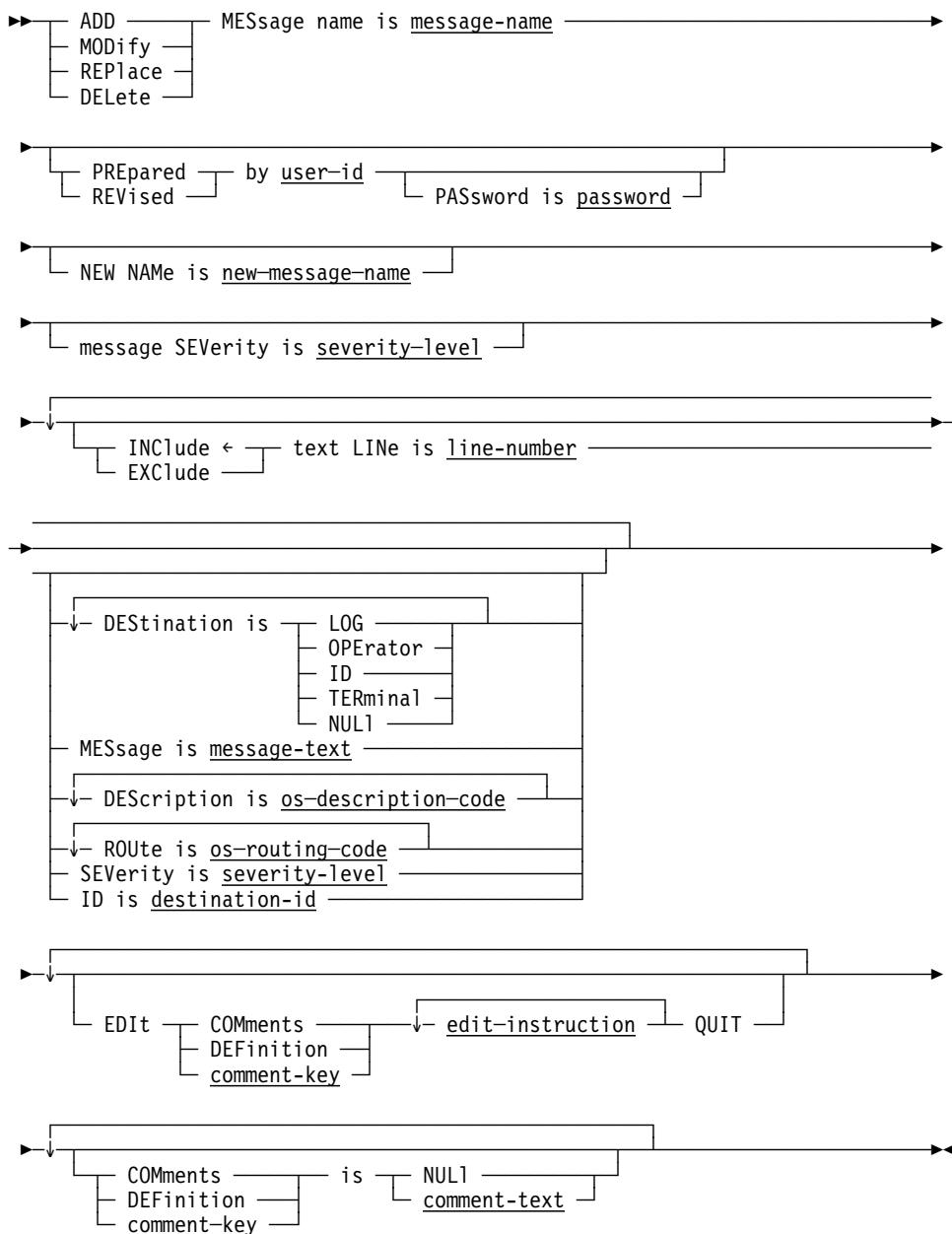


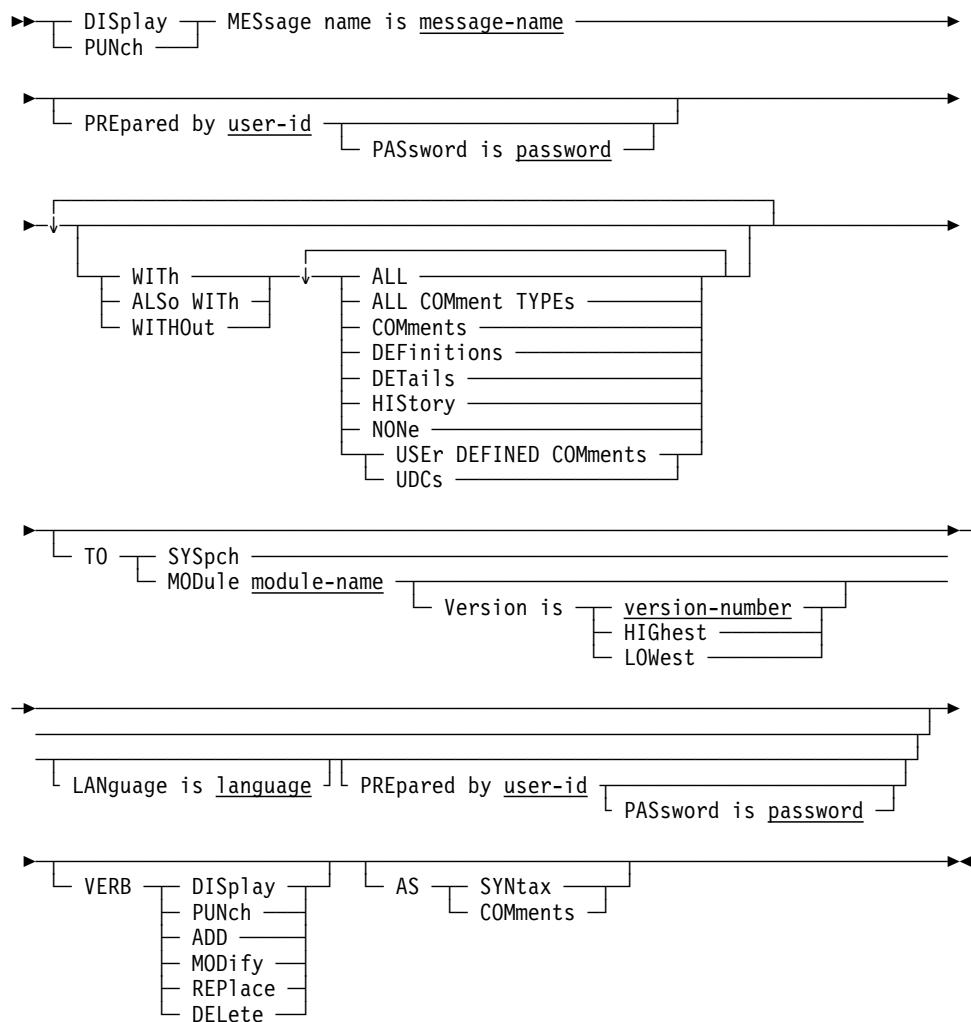


**DISPLAY/PUNCH MAP Statement (for a single map)**

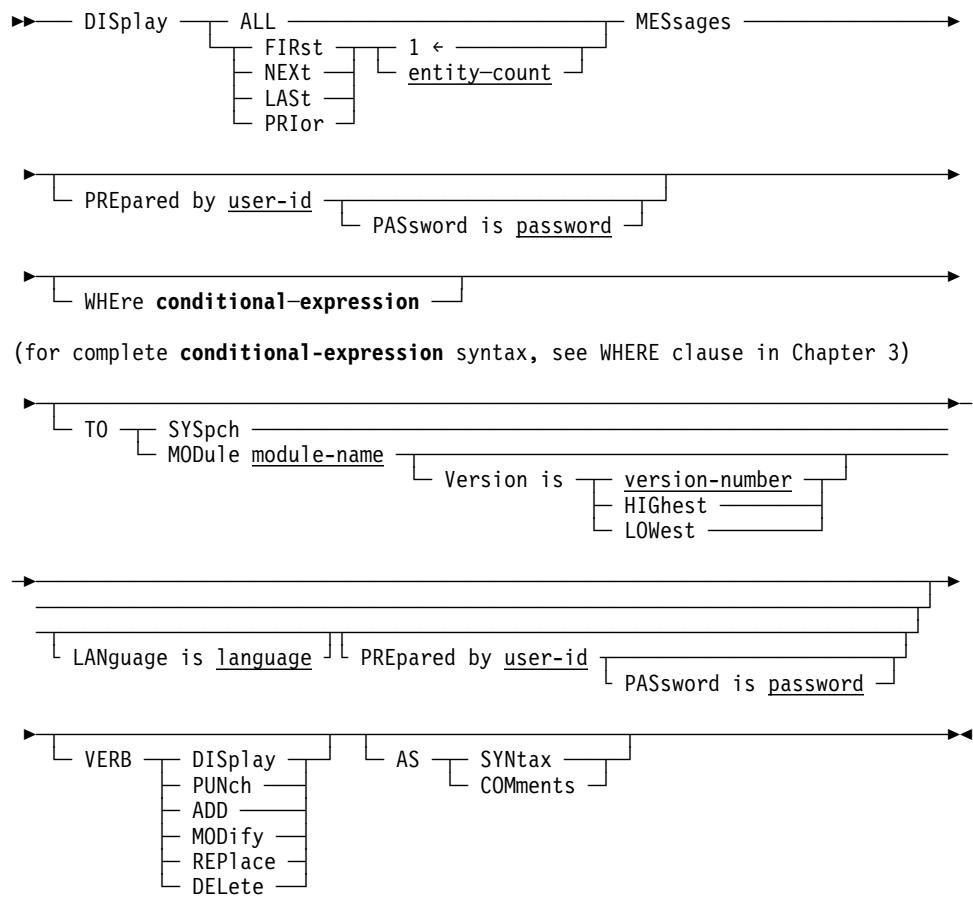
**DISPLAY/PUNCH MAP Statement (for multiple maps)**

## 3.13 MESSAGE

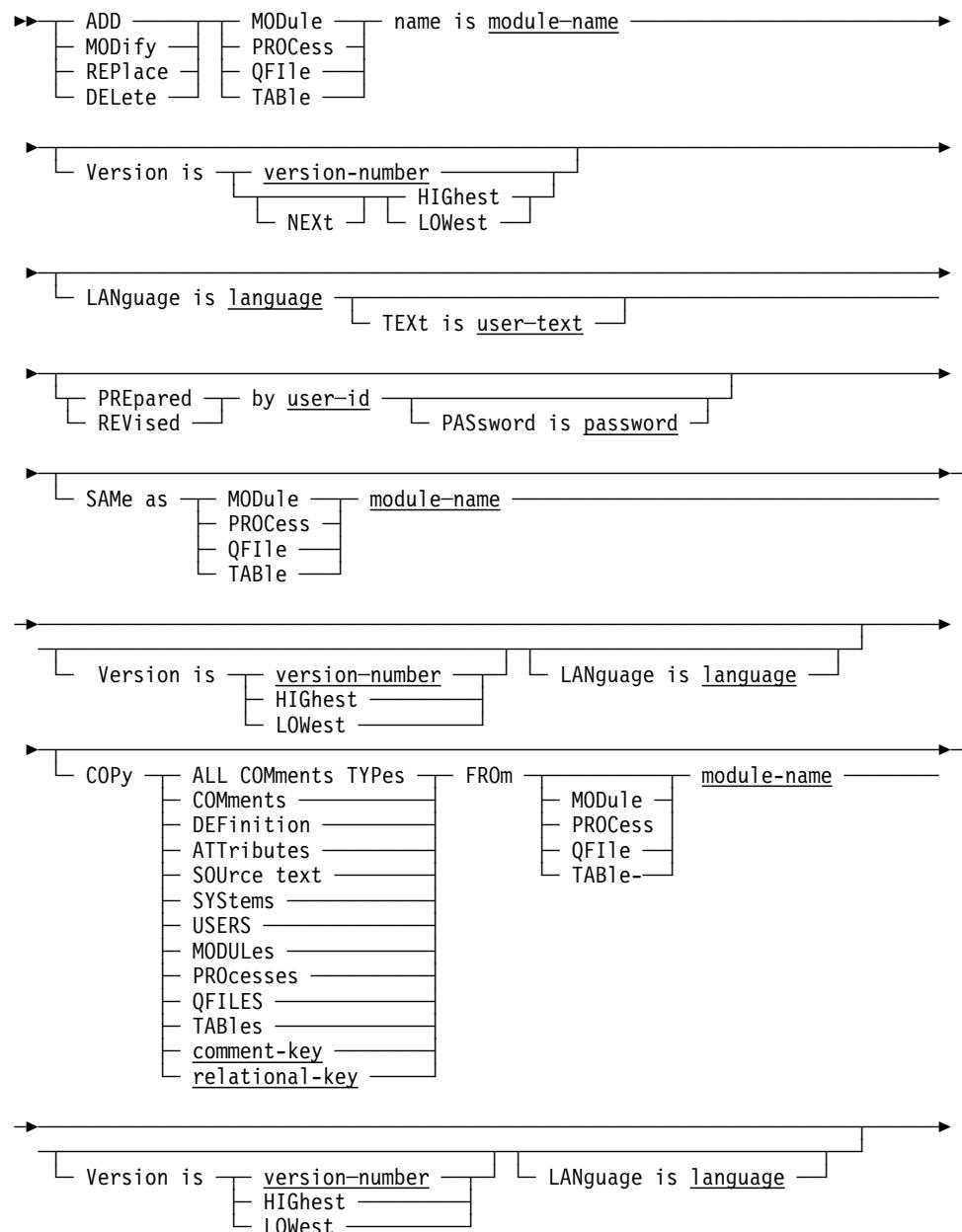


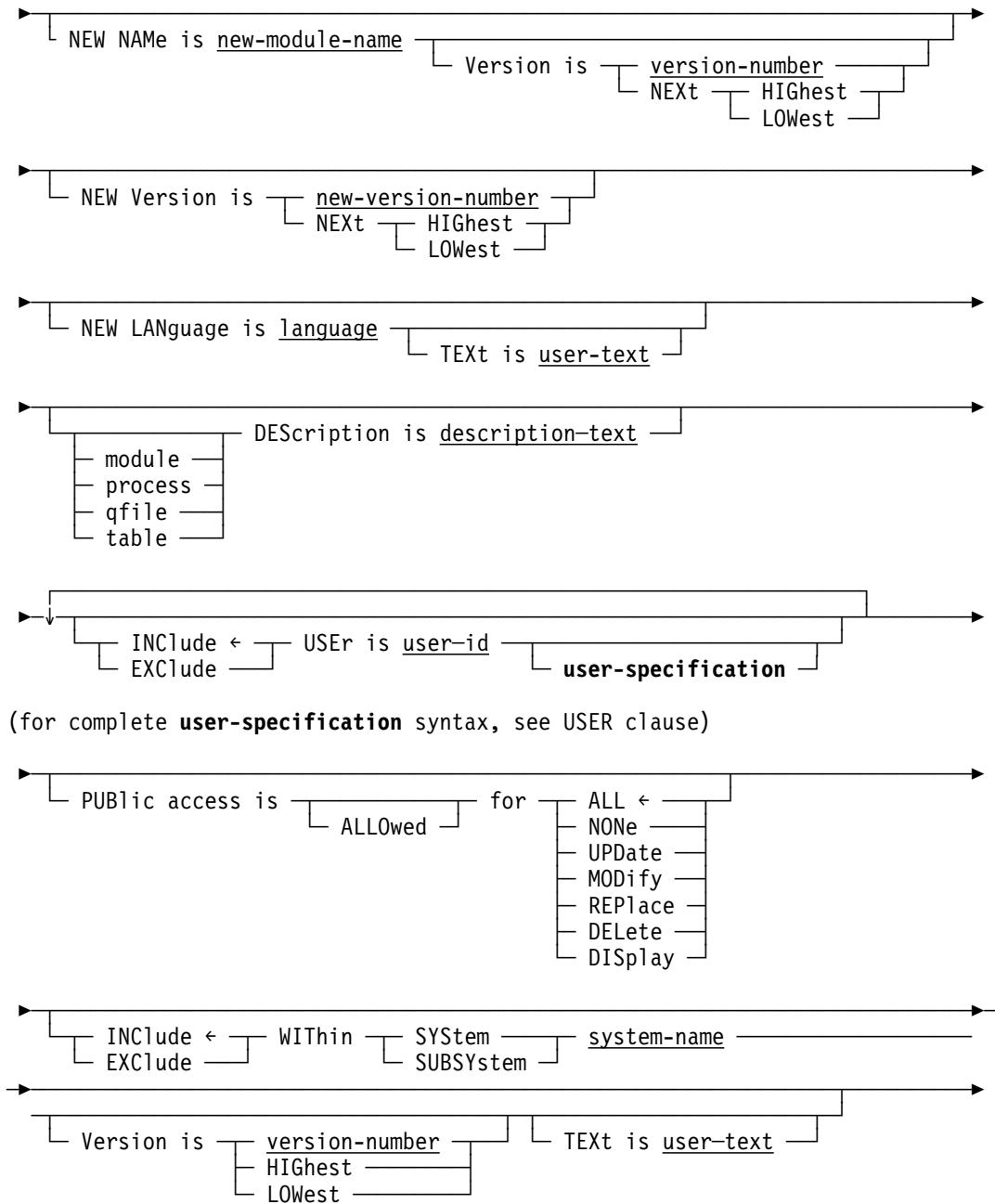
**DISPLAY/PUNCH MESSAGE Statement (for a single message)**

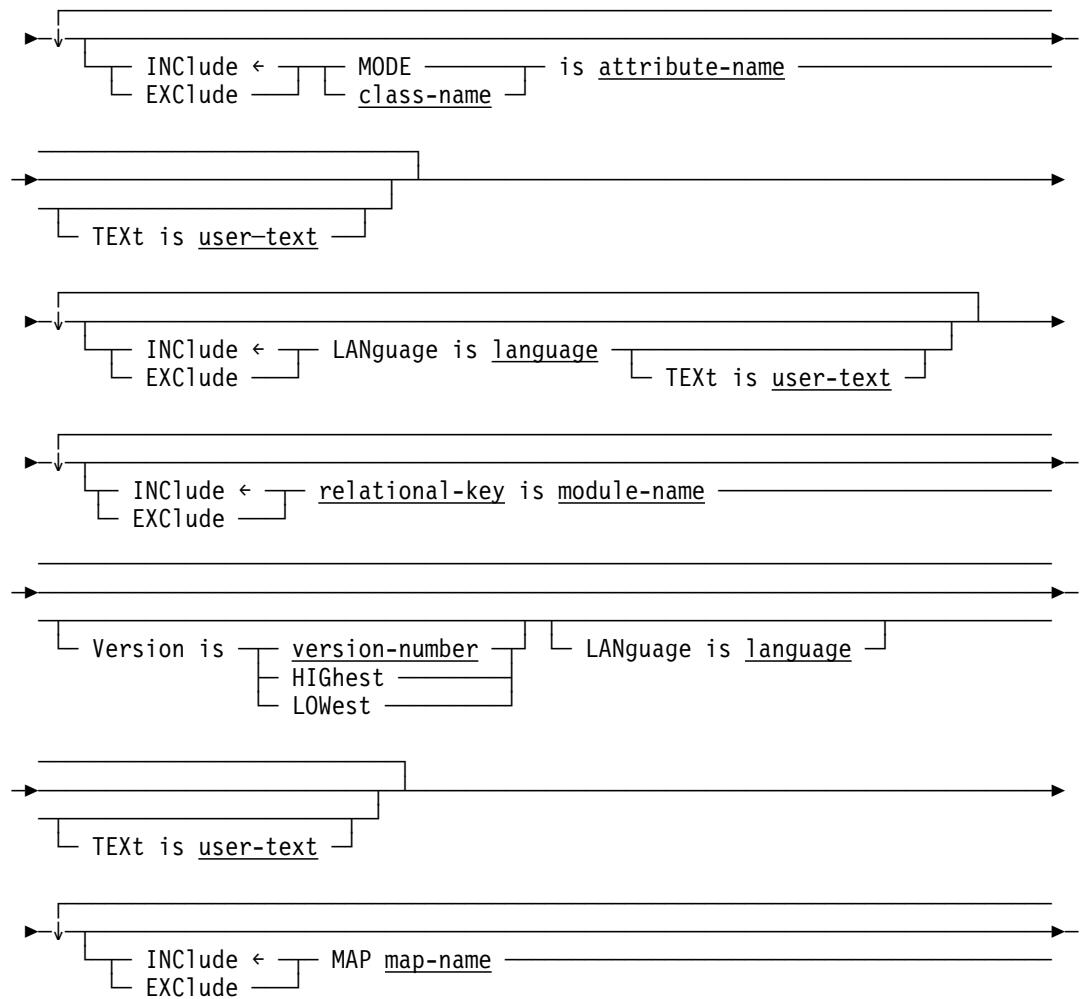
## **DISPLAY/PUNCH MESSAGE Statement (for multiple messages)**



## 3.14 MODULE (PROCESS/QFILE/TABLE)

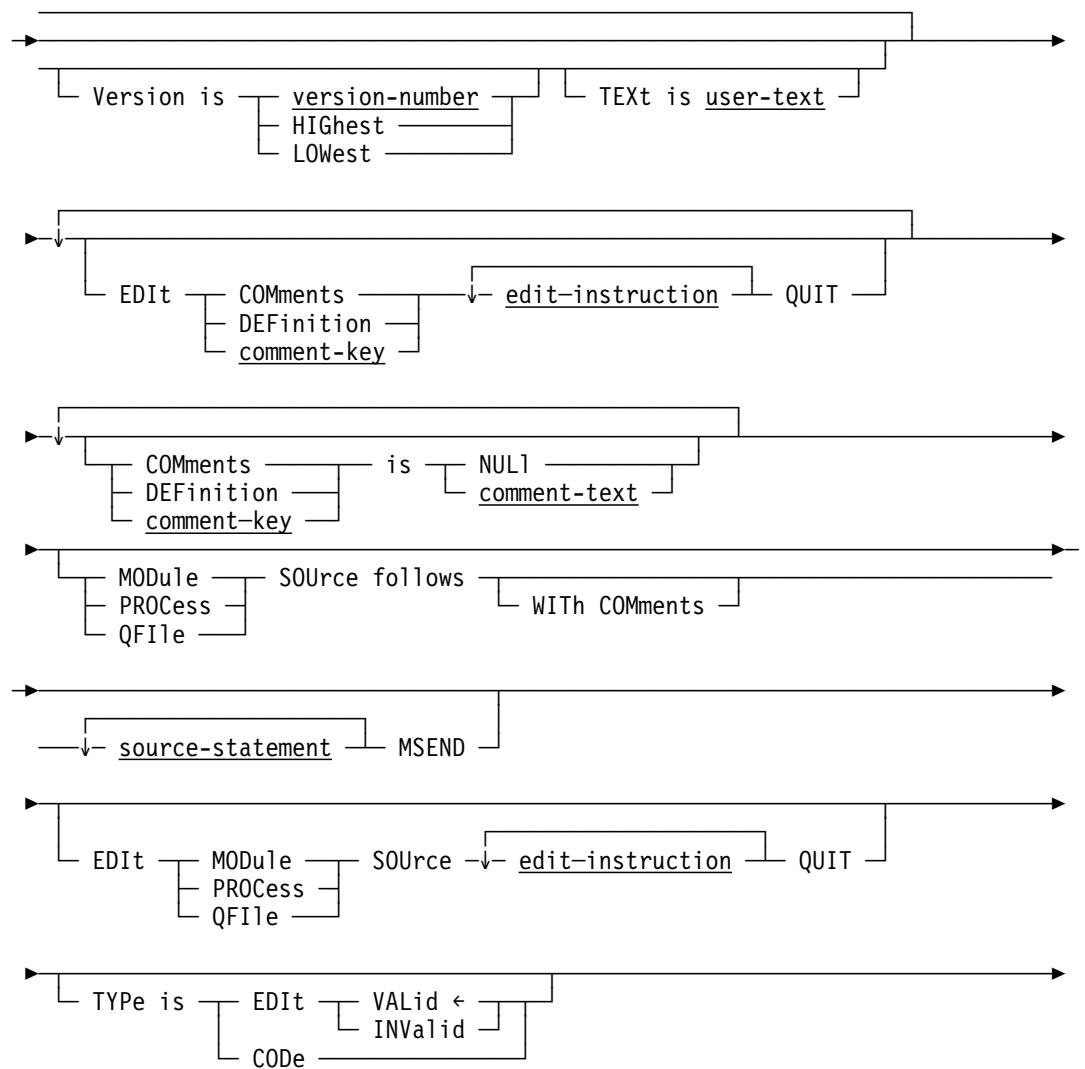


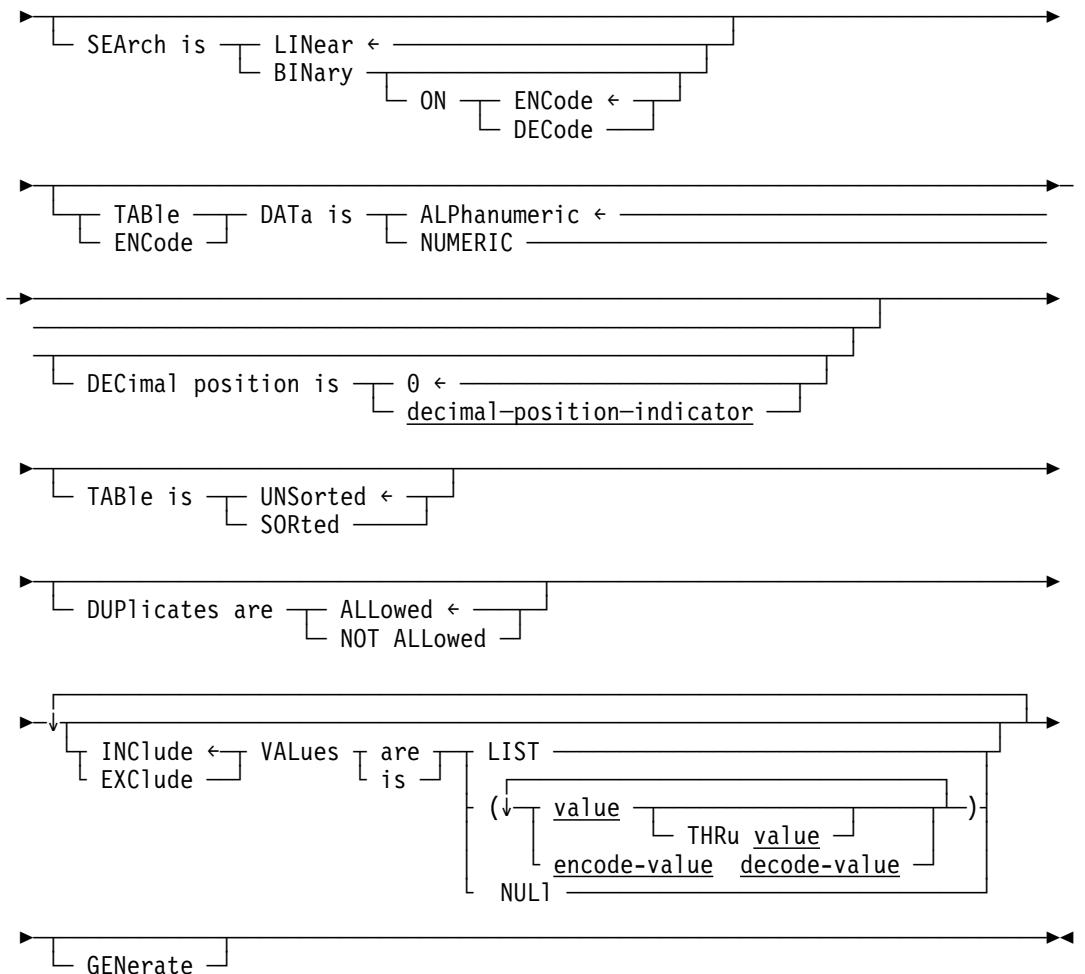




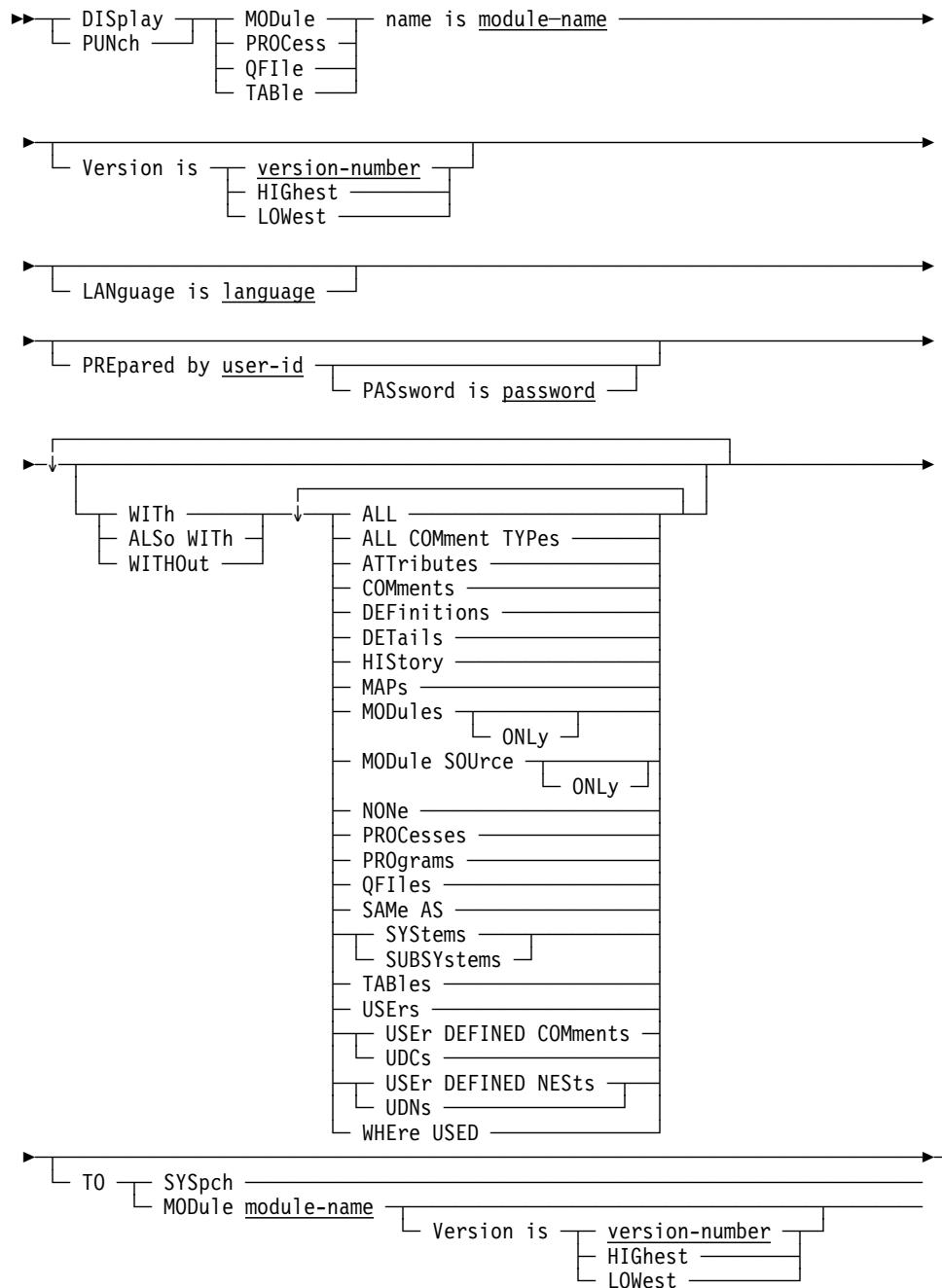
### 3.14 MODULE (PROCESS/QFILE/TABLE)

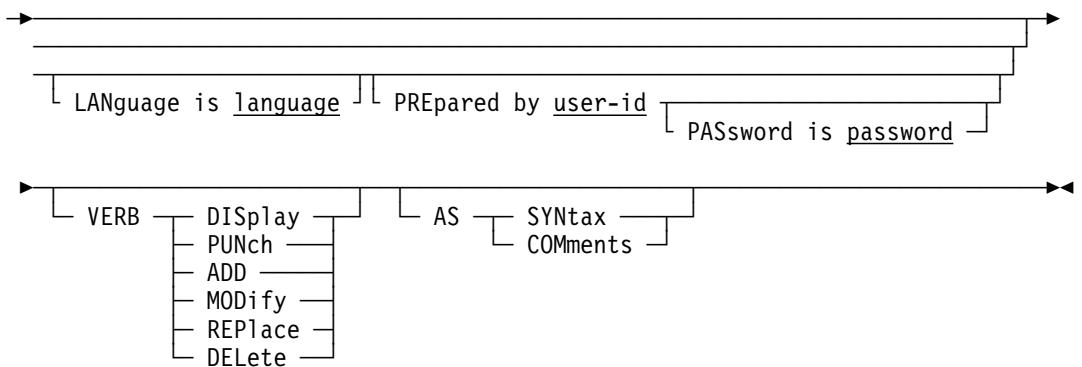
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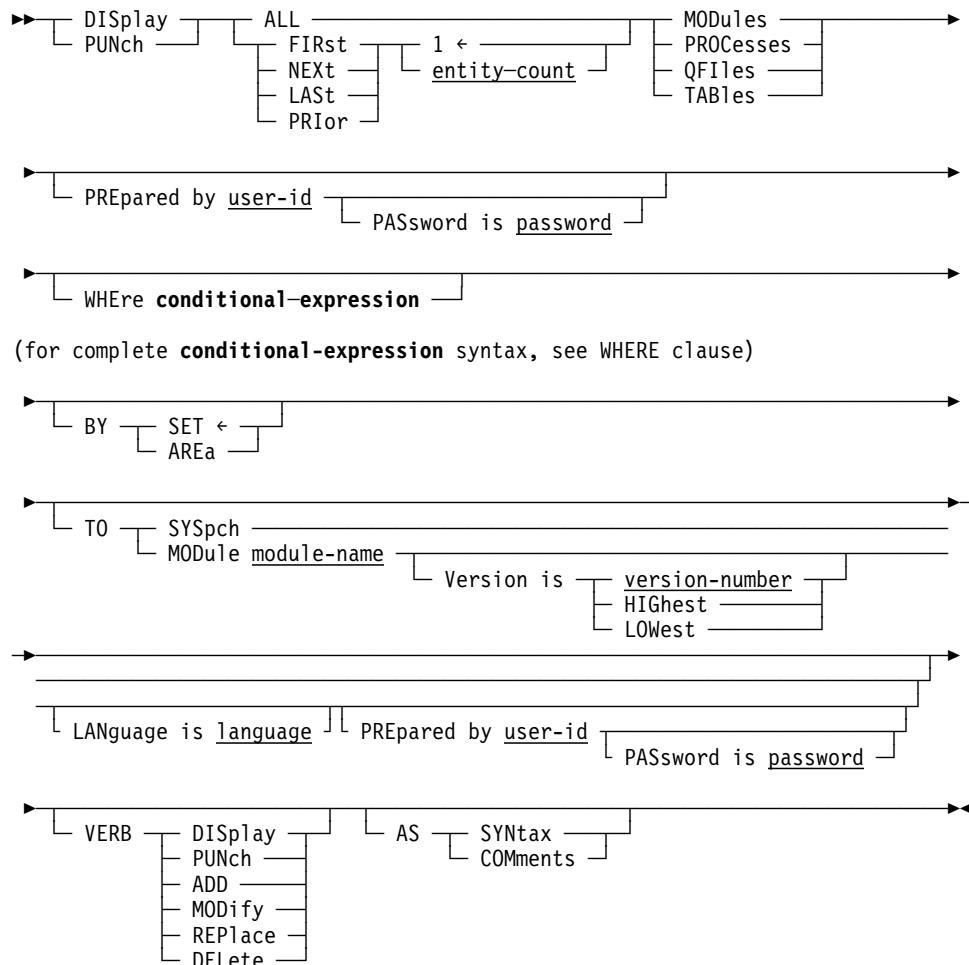


**DISPLAY/PUNCH MODULE/PROCESS/QFILE(TABLE Statement (for a single module/process/qfile/table)**

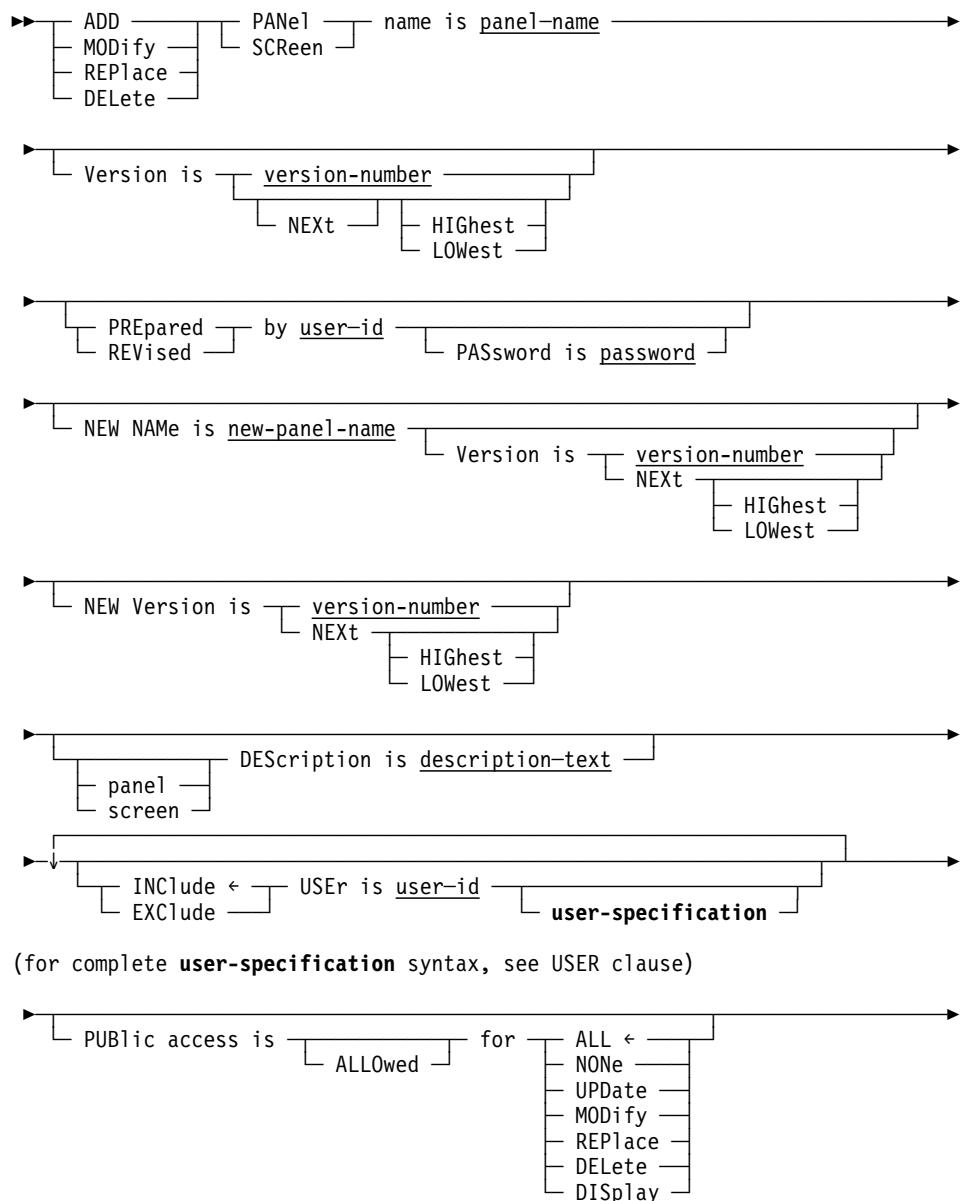




**DISPLAY/PUNCH MODULE/PROCESS/QFILE(TABLE Statement (for multiple modules/processes/qfiles/tables)**

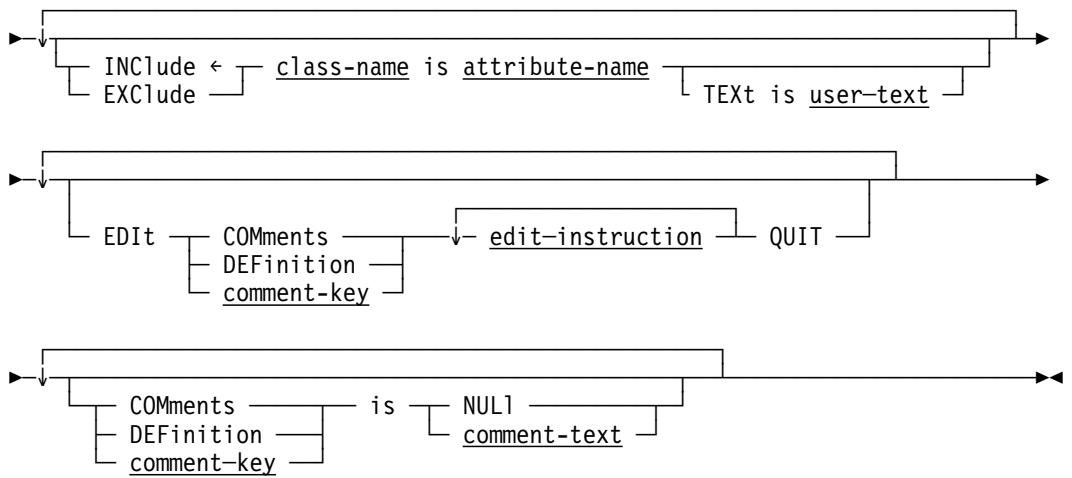


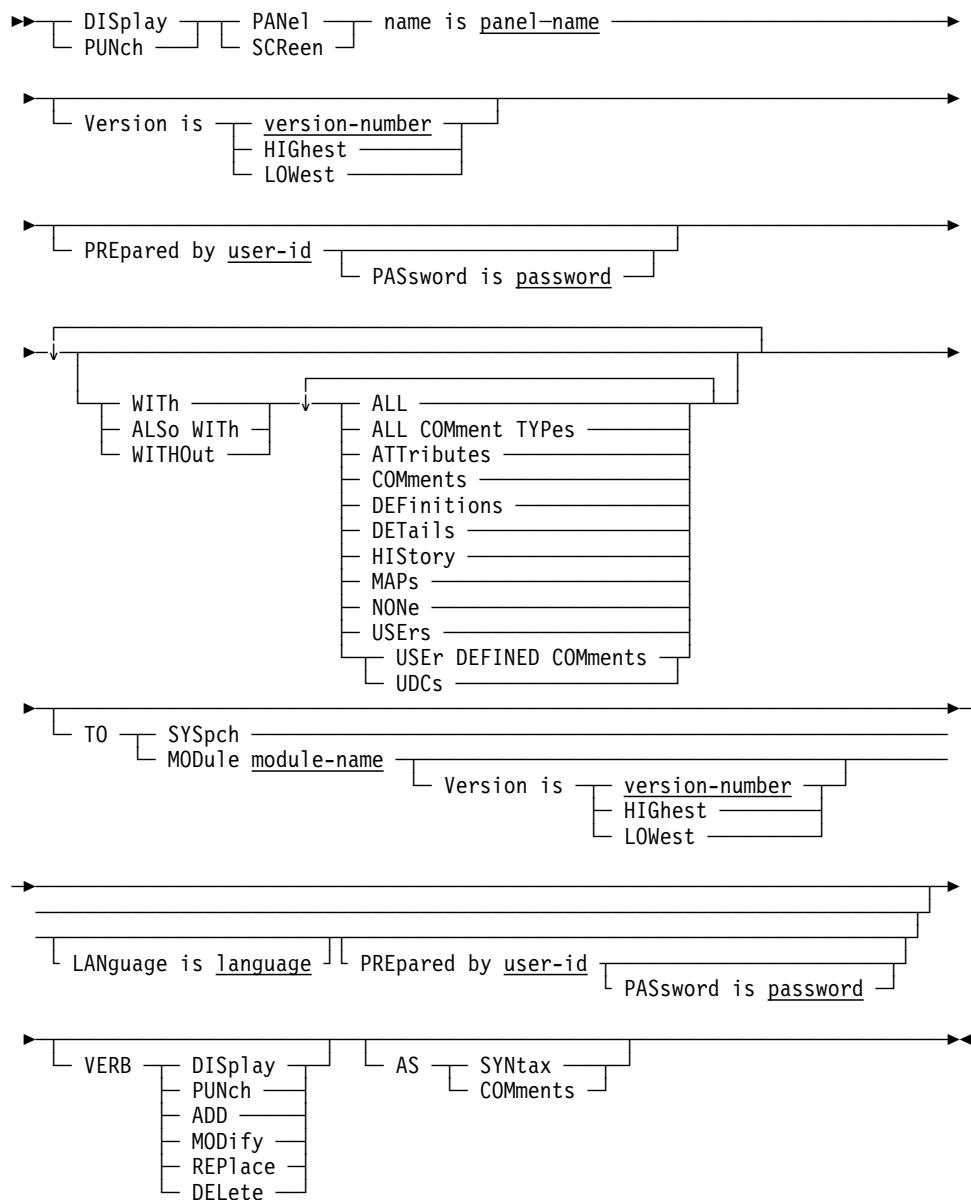
## 3.15 PANEL (SCREEN)

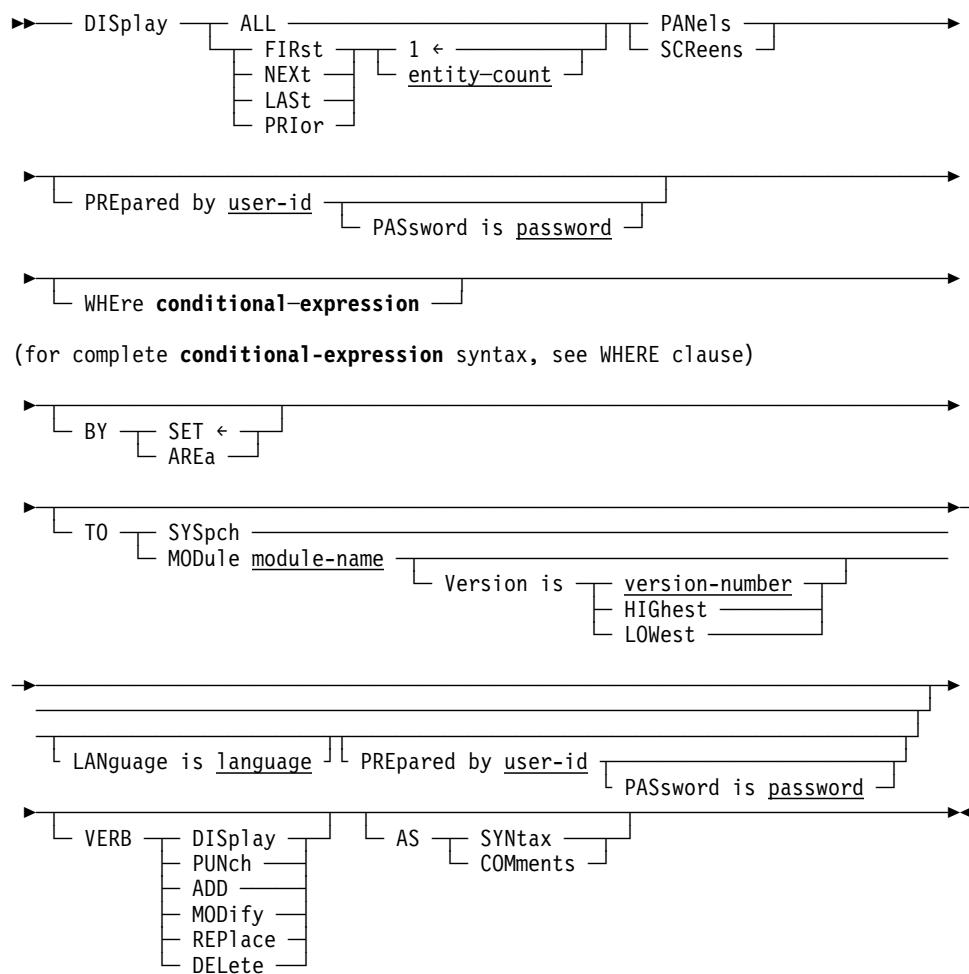


### 3.15 PANEL (SCREEN)

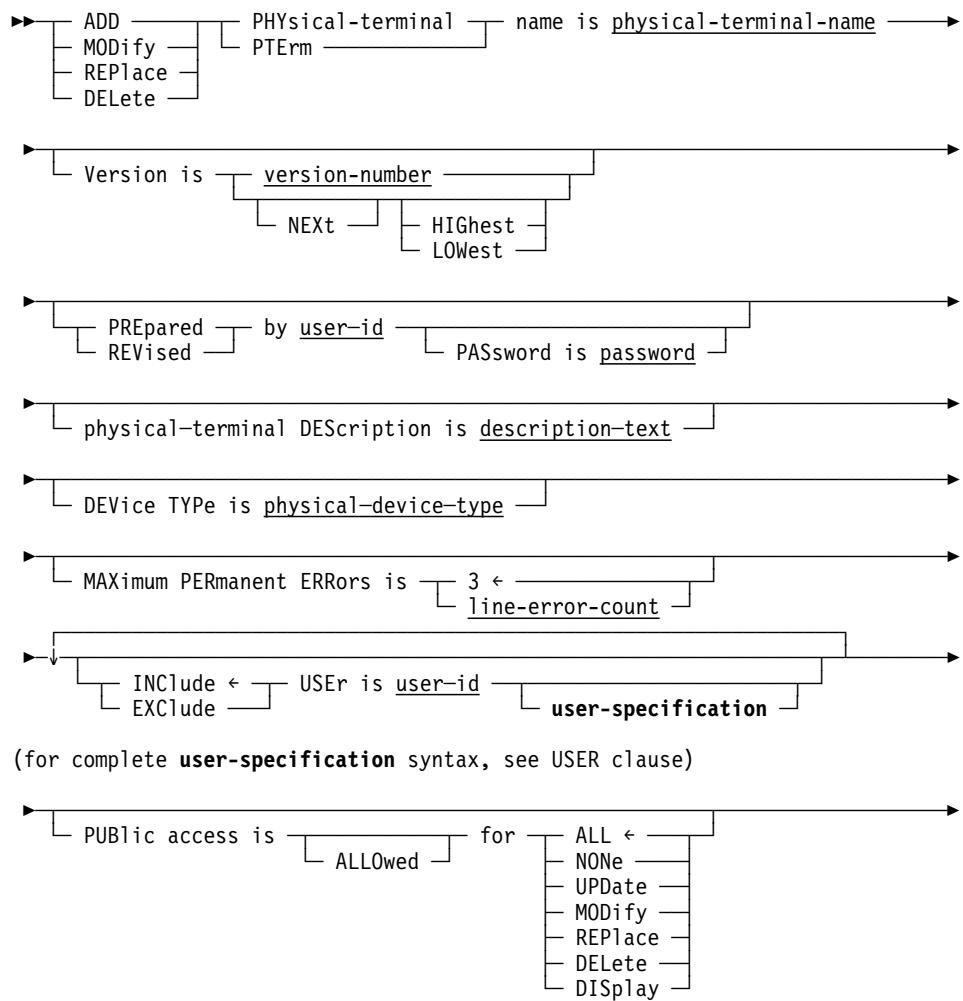
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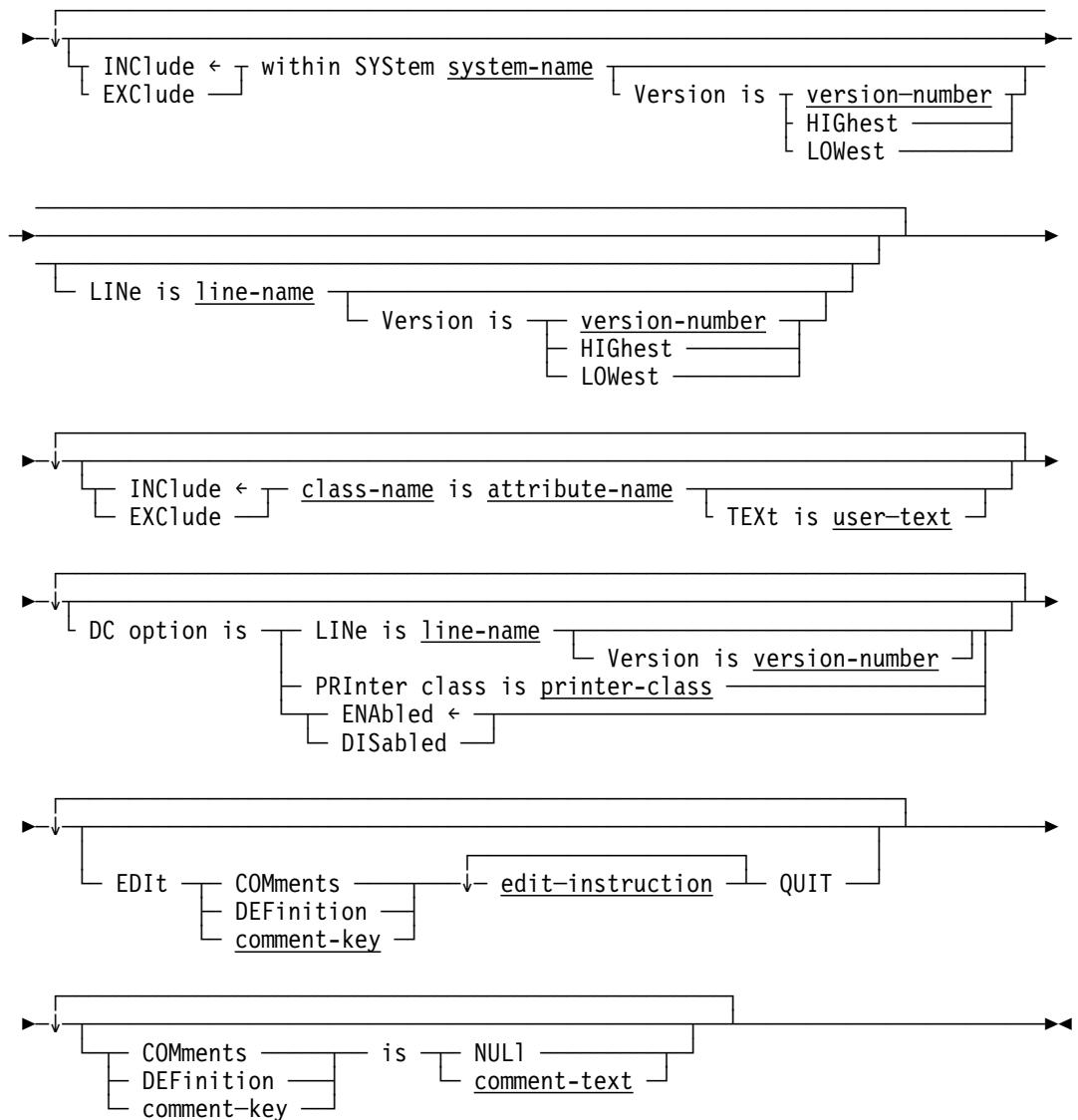


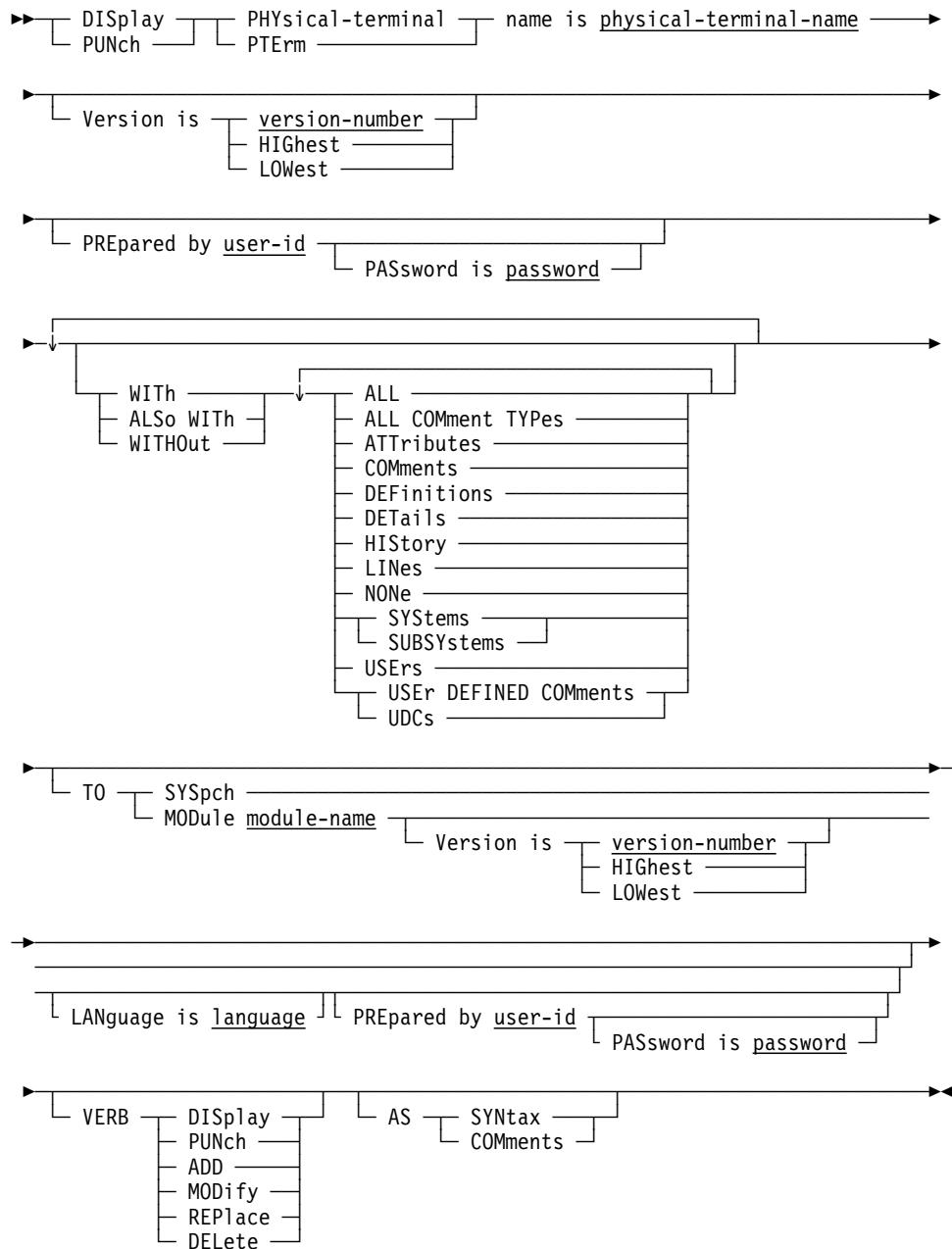
**DISPLAY/PUNCH PANEL (SCREEN) Statement (for a single panel)**

**DISPLAY/PUNCH PANEL (SCREEN) Statement (for multiple panels)**

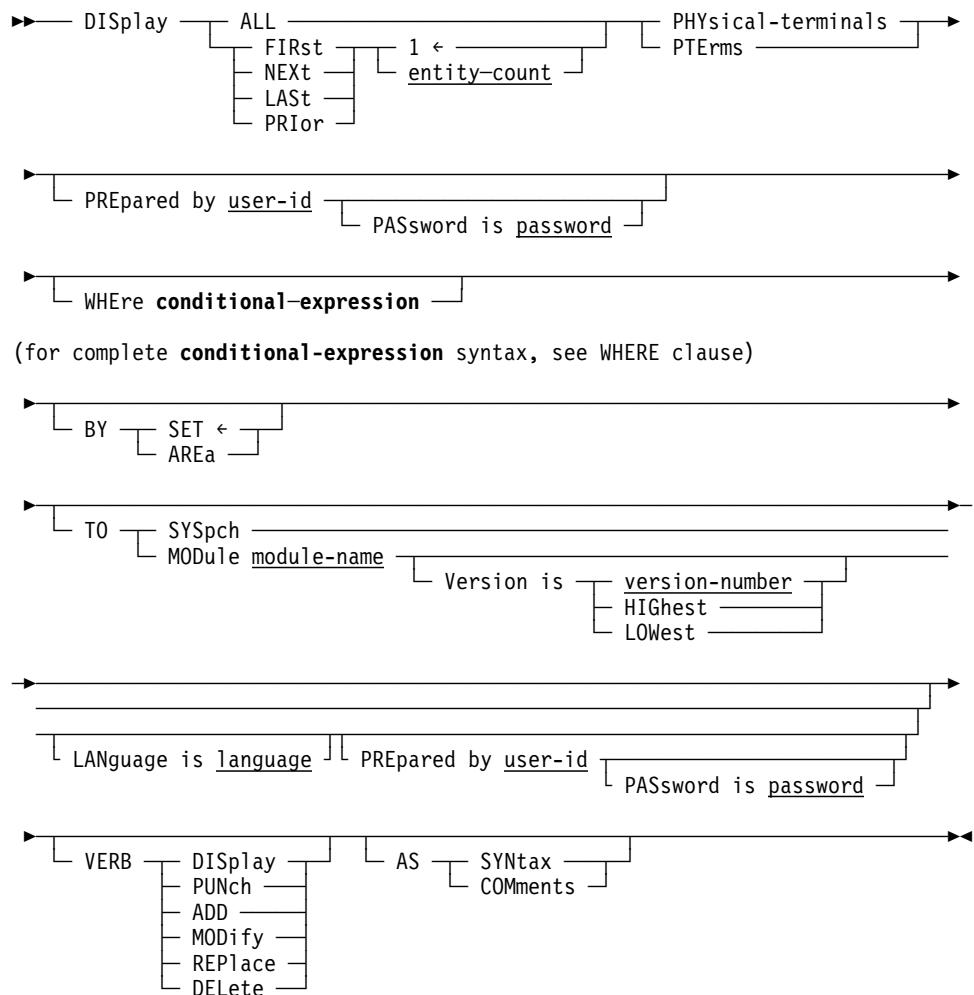
### **3.16 PHYSICAL TERMINAL**



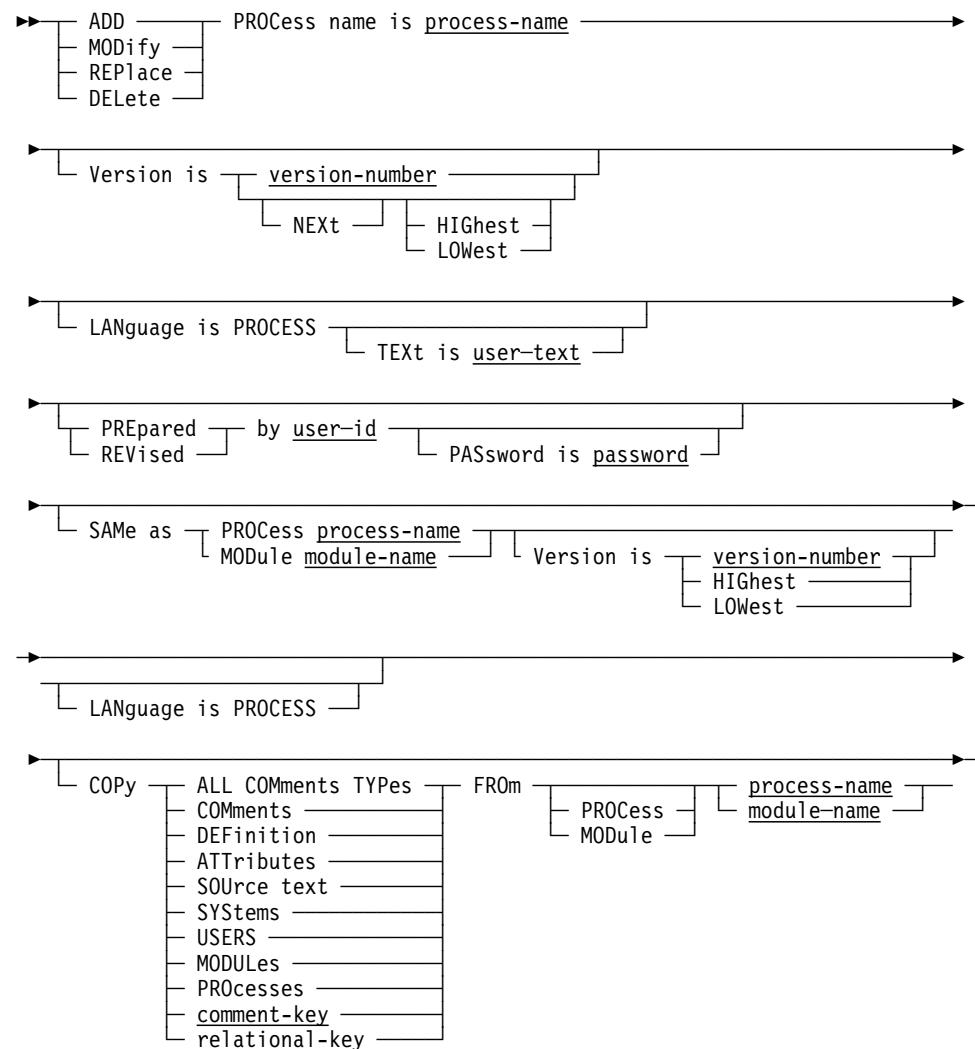


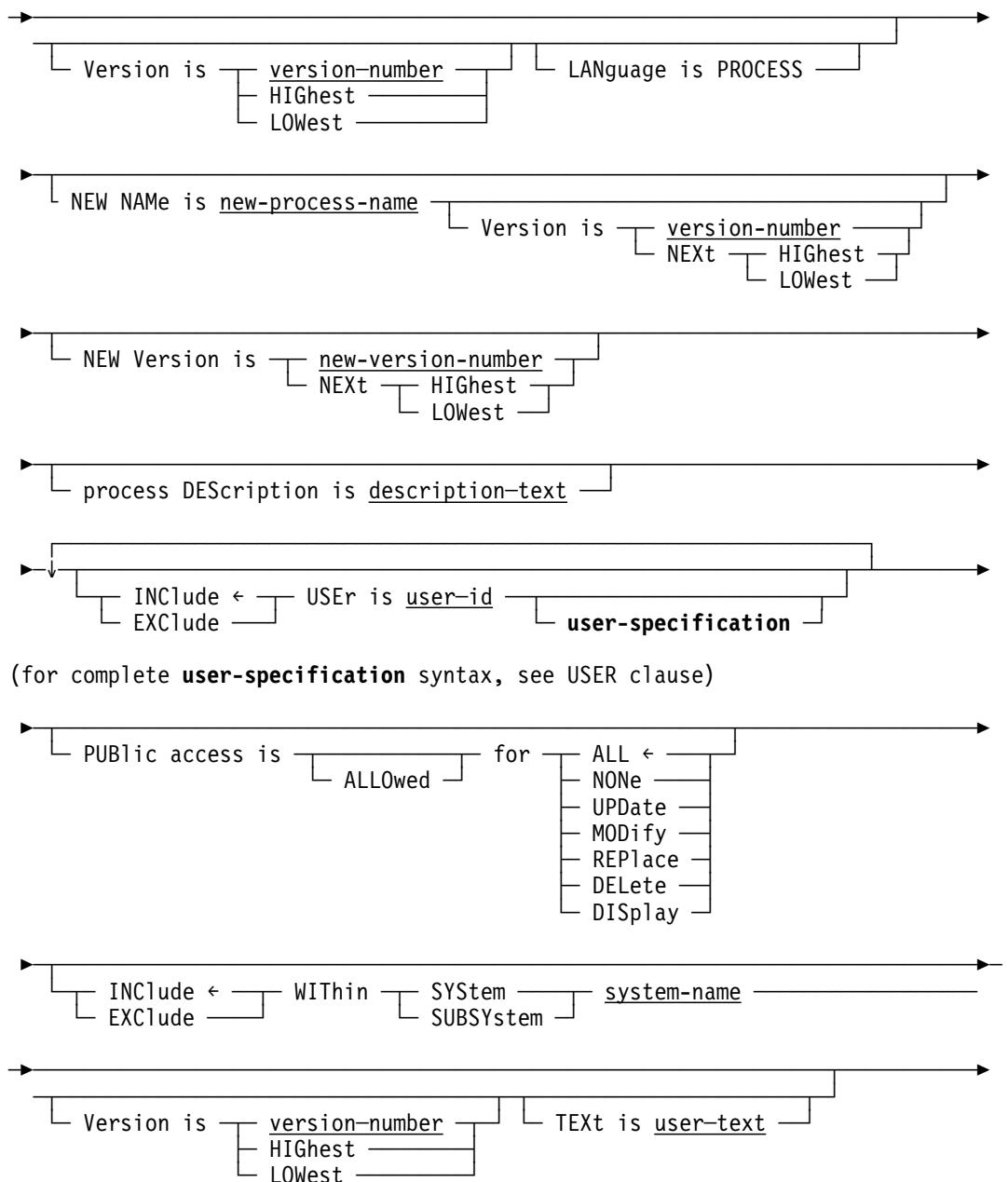
**DISPLAY/PUNCH PHYSICAL-TERMINAL Statement (for a single terminal)**

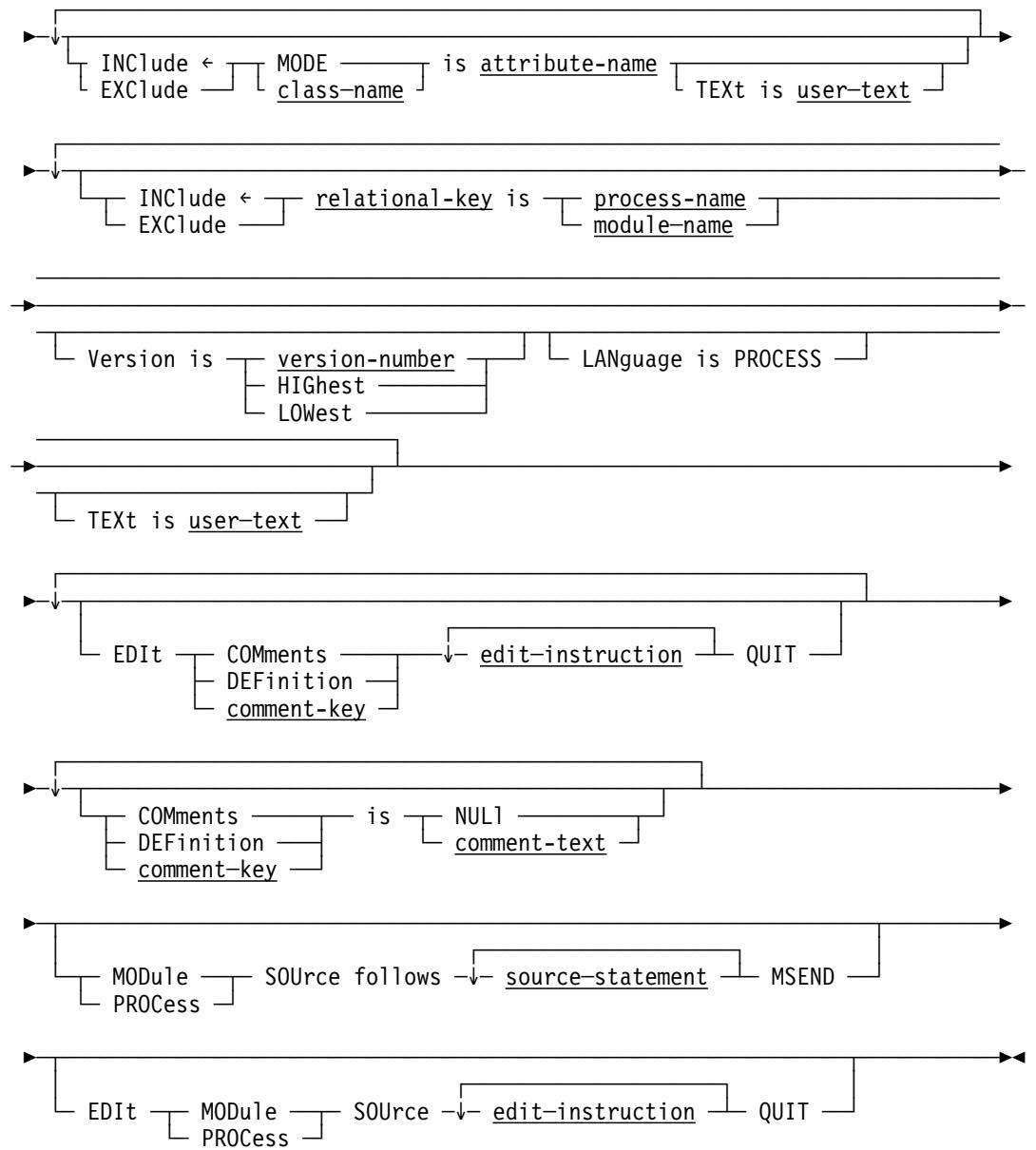
## **DISPLAY/PUNCH PHYSICAL-TERMINAL Statement (for multiple terminals)**

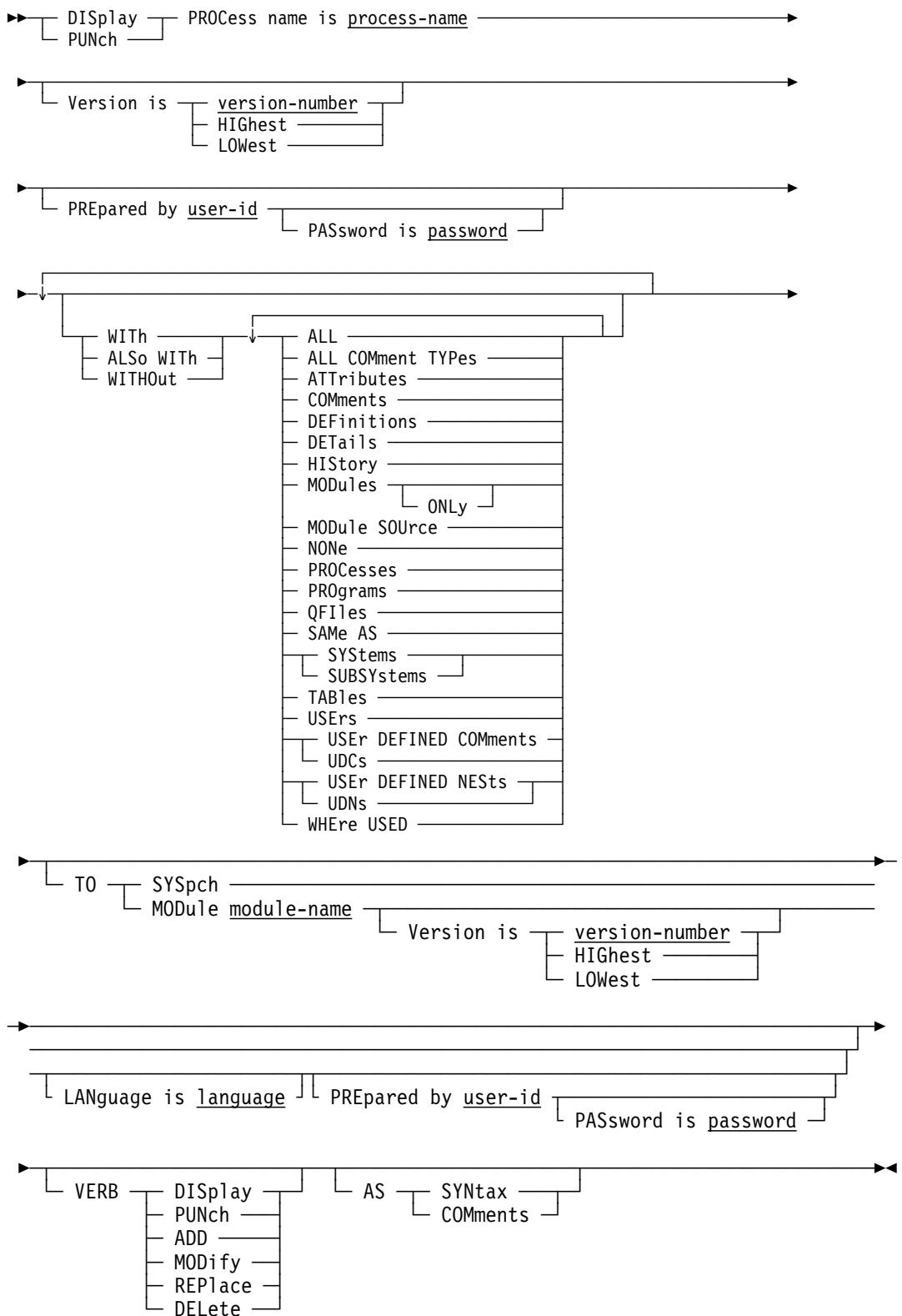


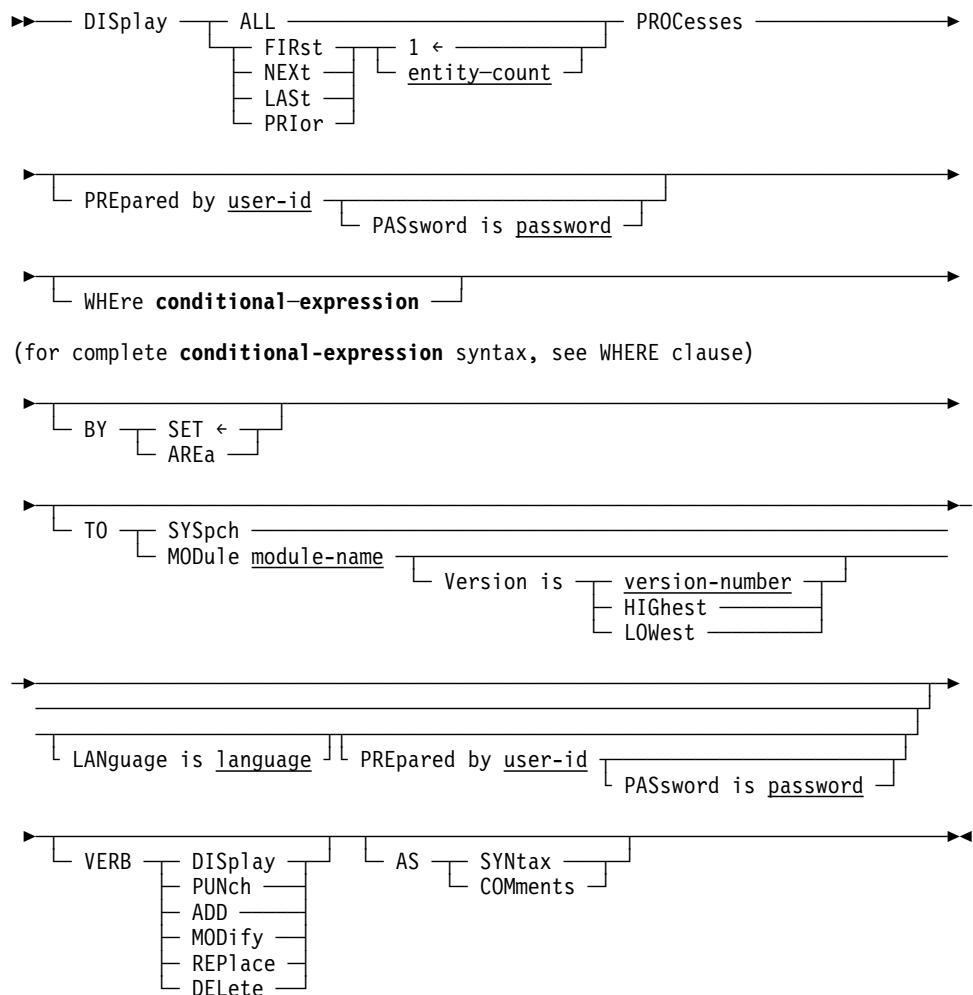
## 3.17 PROCESS



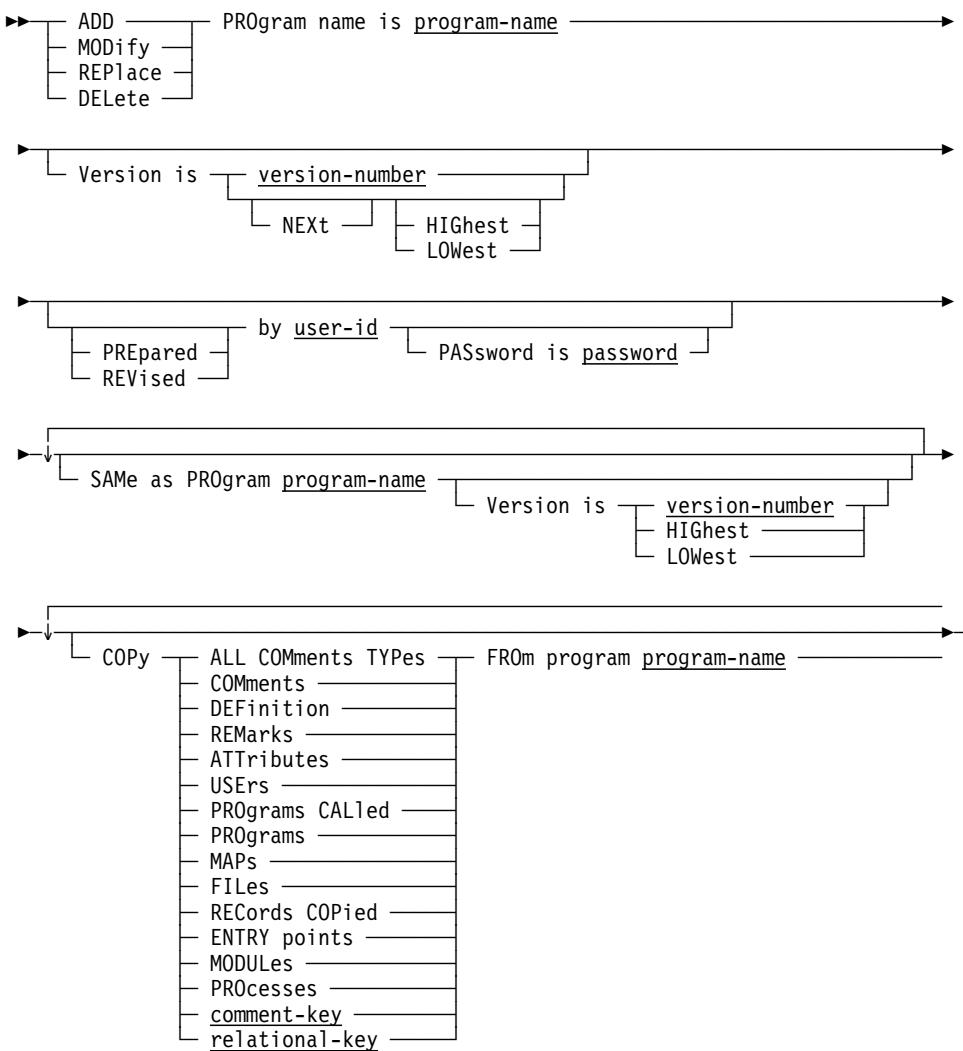
(for complete **user-specification** syntax, see USER clause)

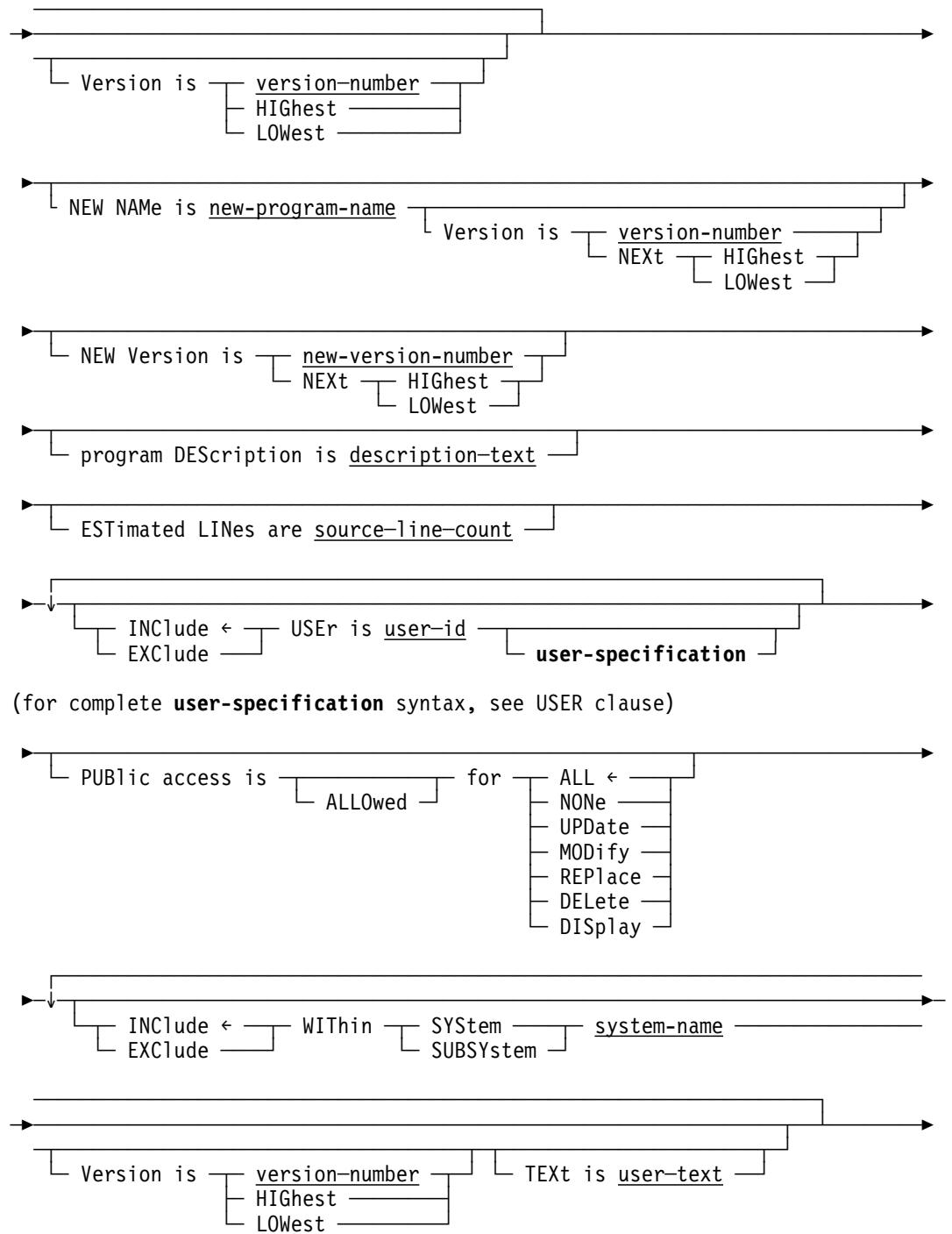


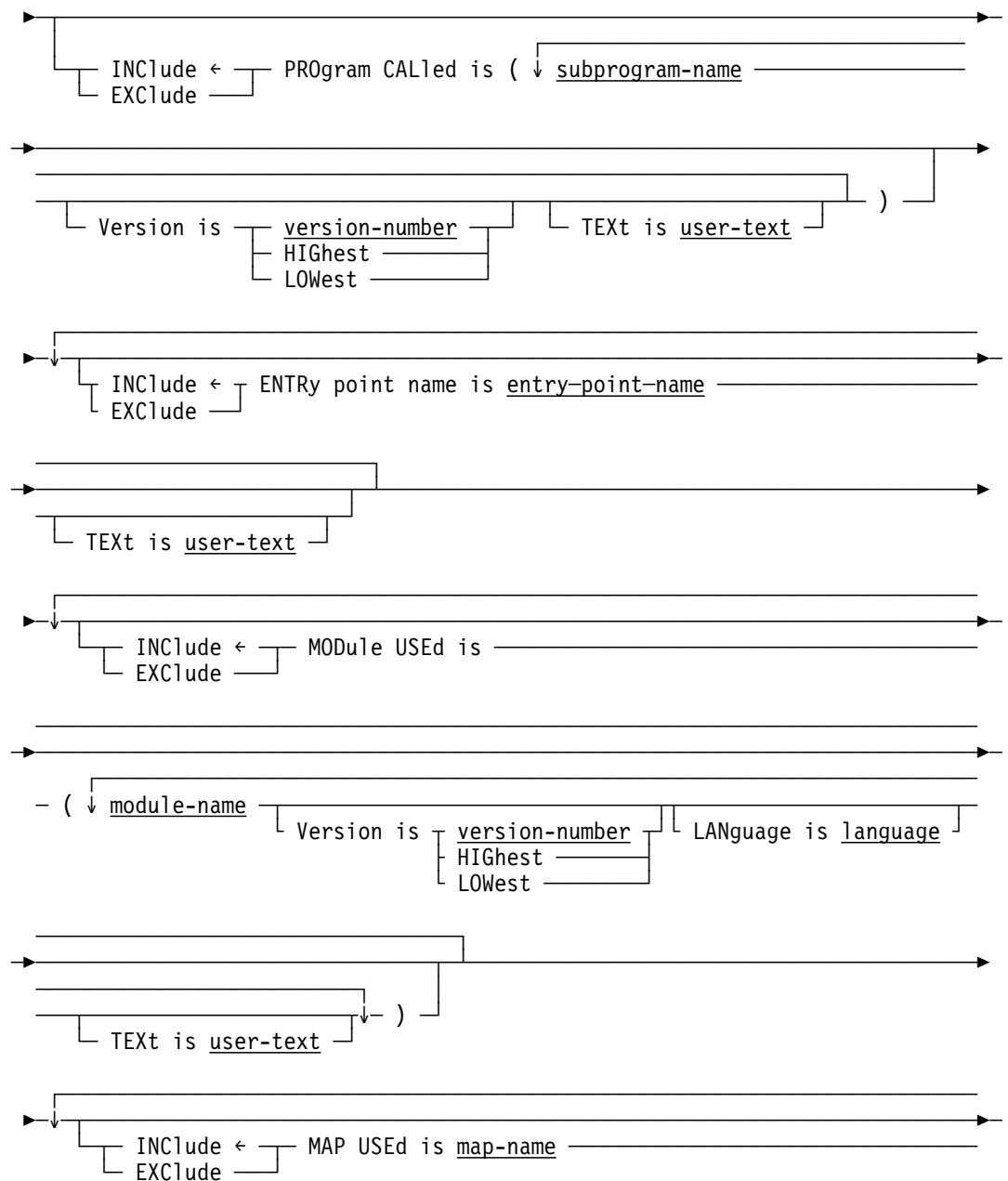
**DISPLAY/PUNCH PROCESS Statement (for a single process)**

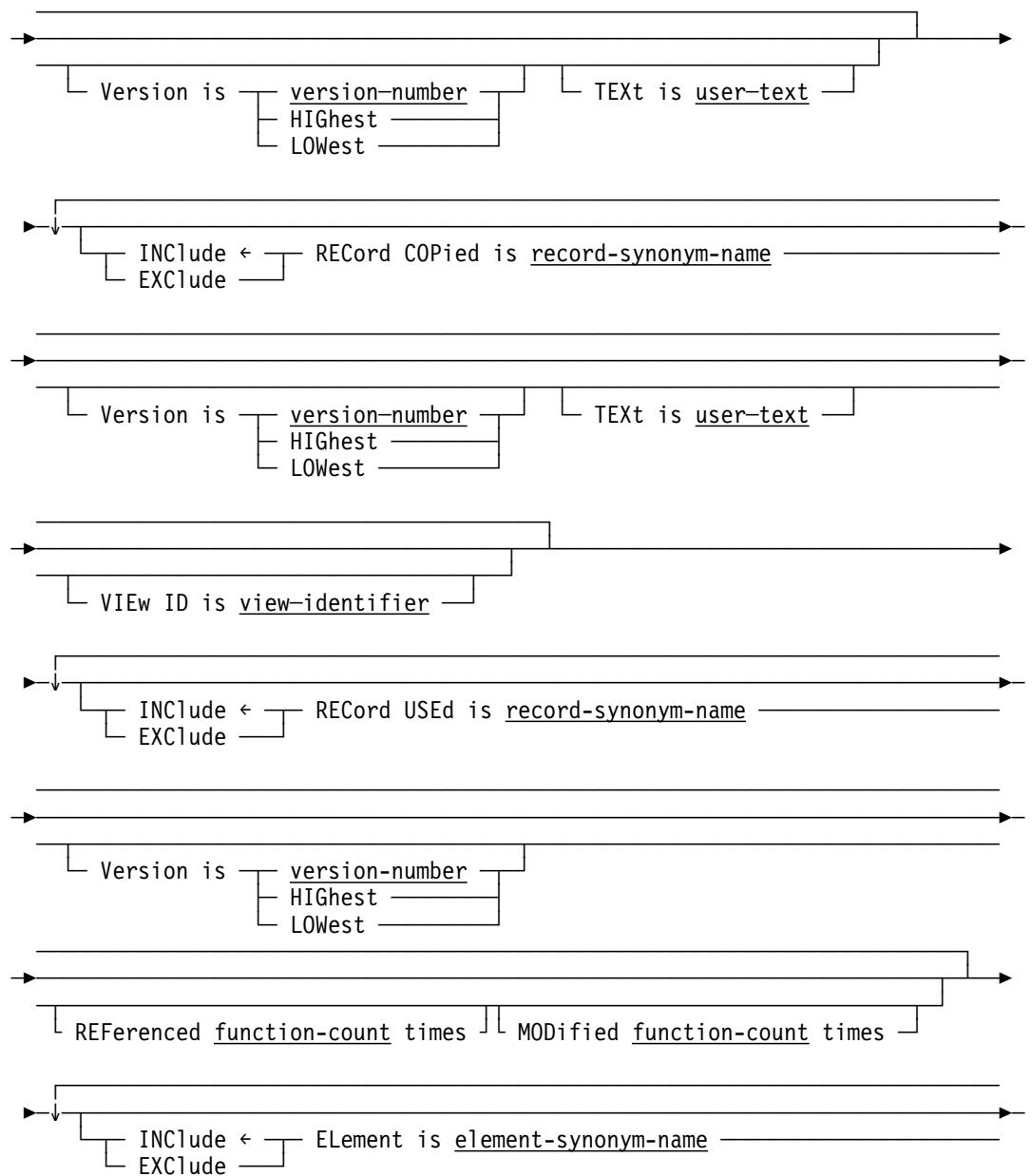
**DISPLAY/PUNCH PROCESS Statement (for multiple processes)**

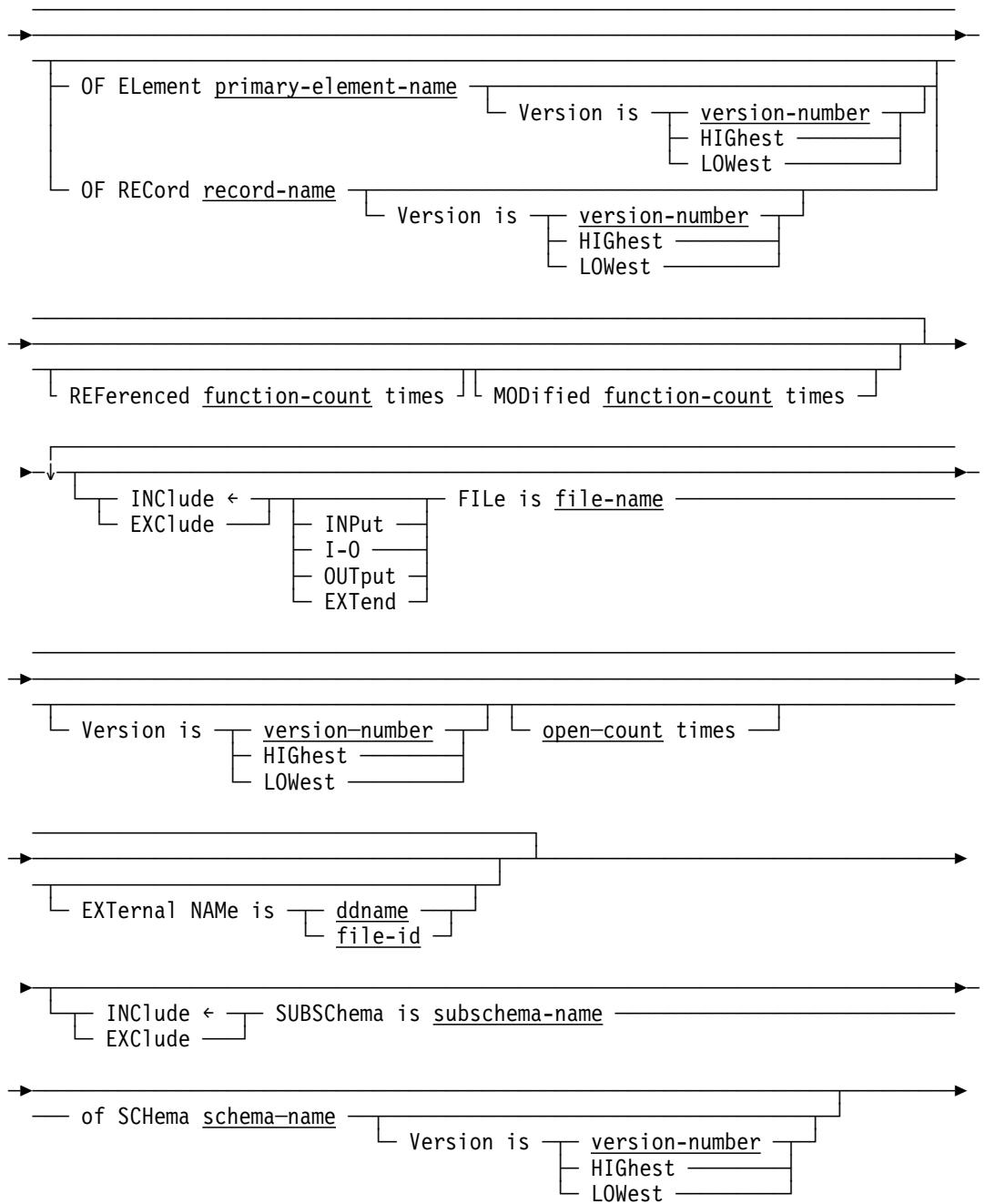
## 3.18 PROGRAM

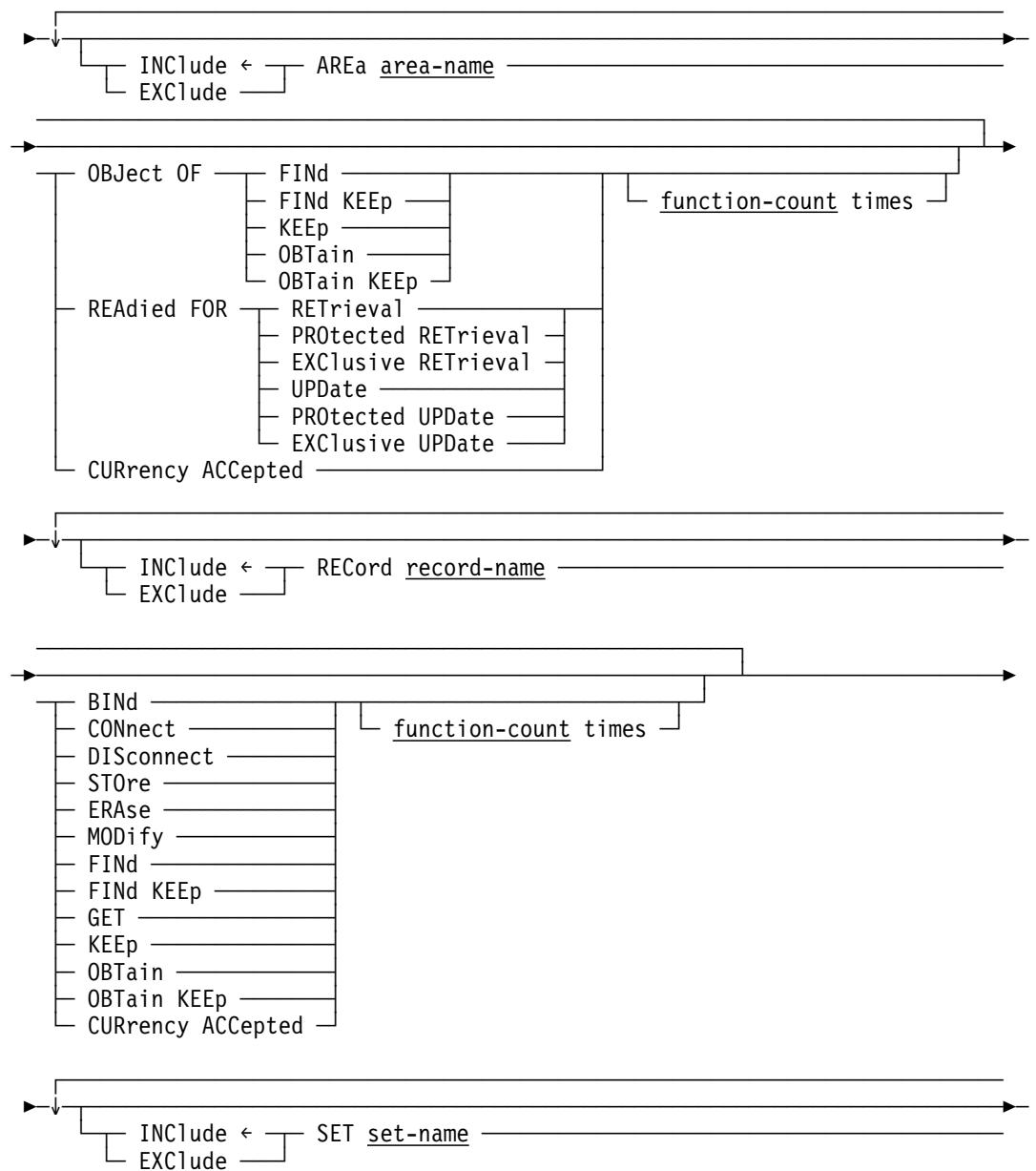


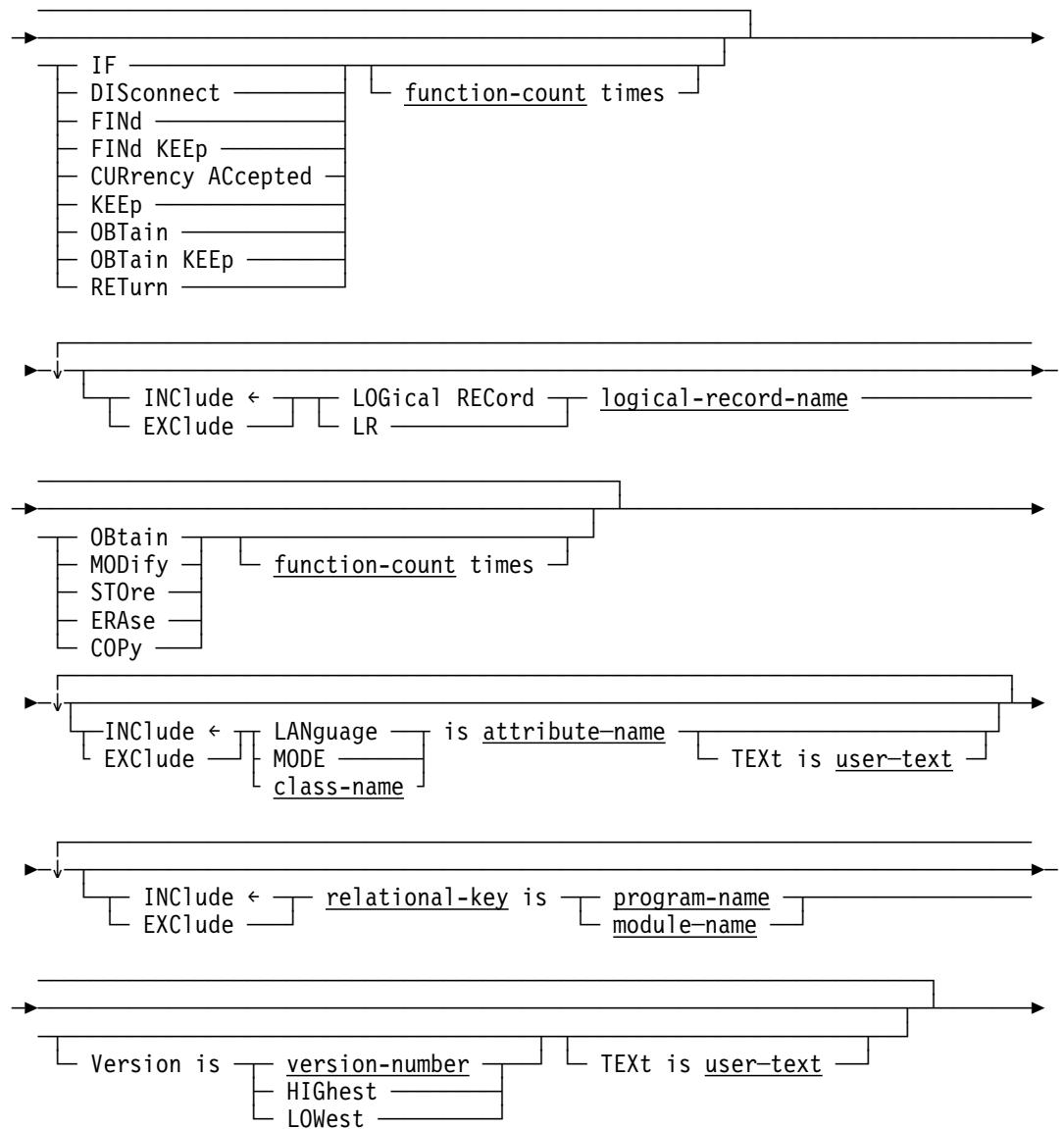
(for complete **user-specification** syntax, see USER clause)

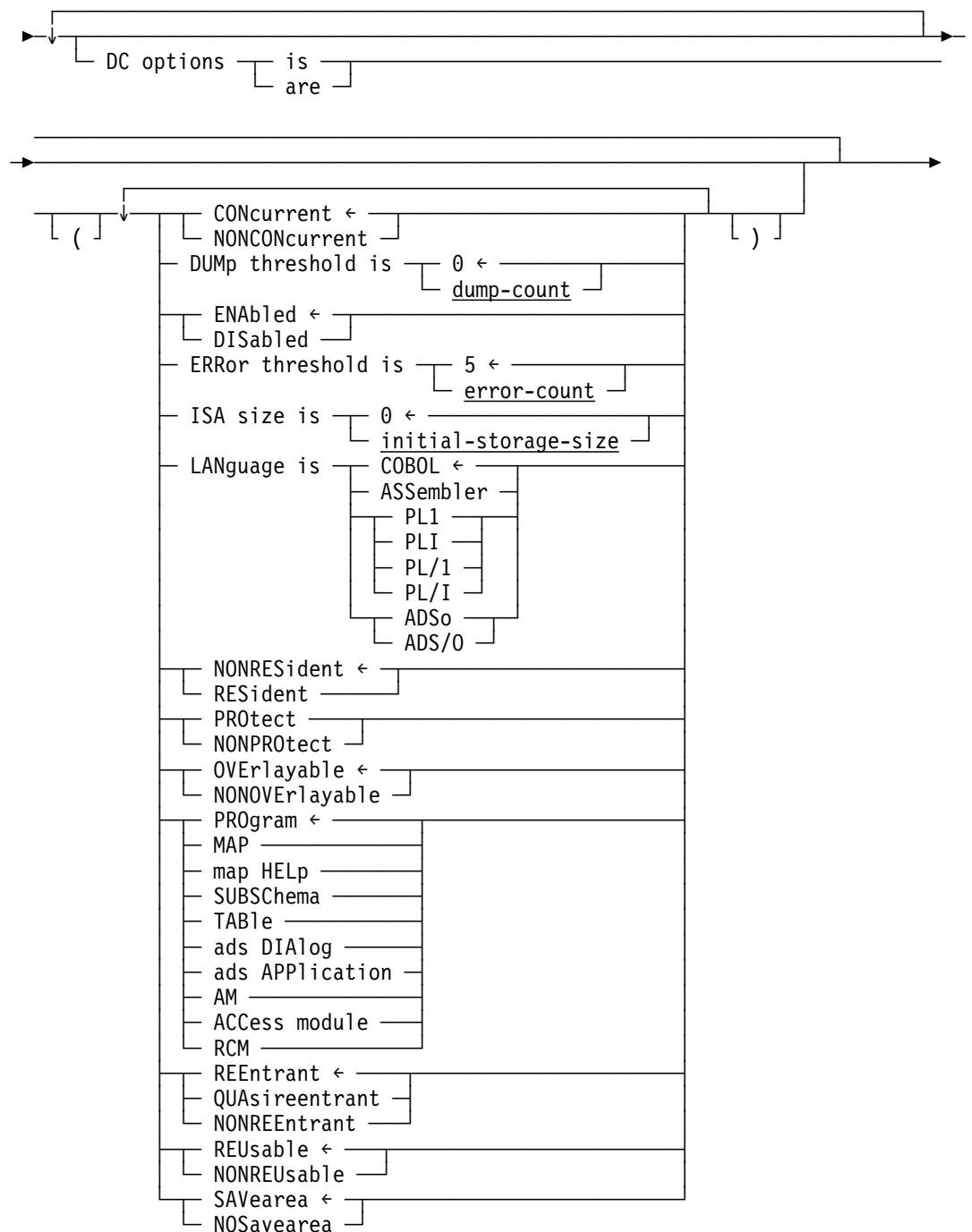


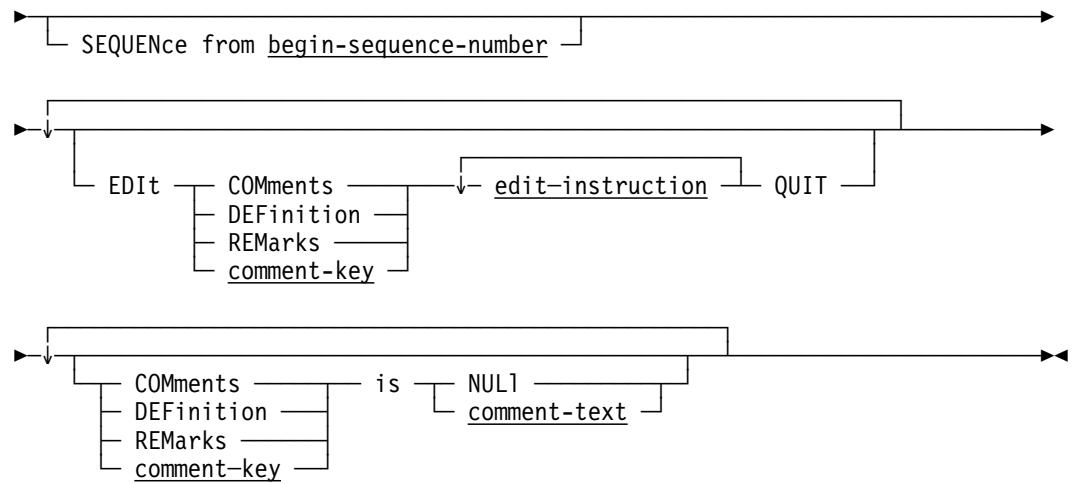


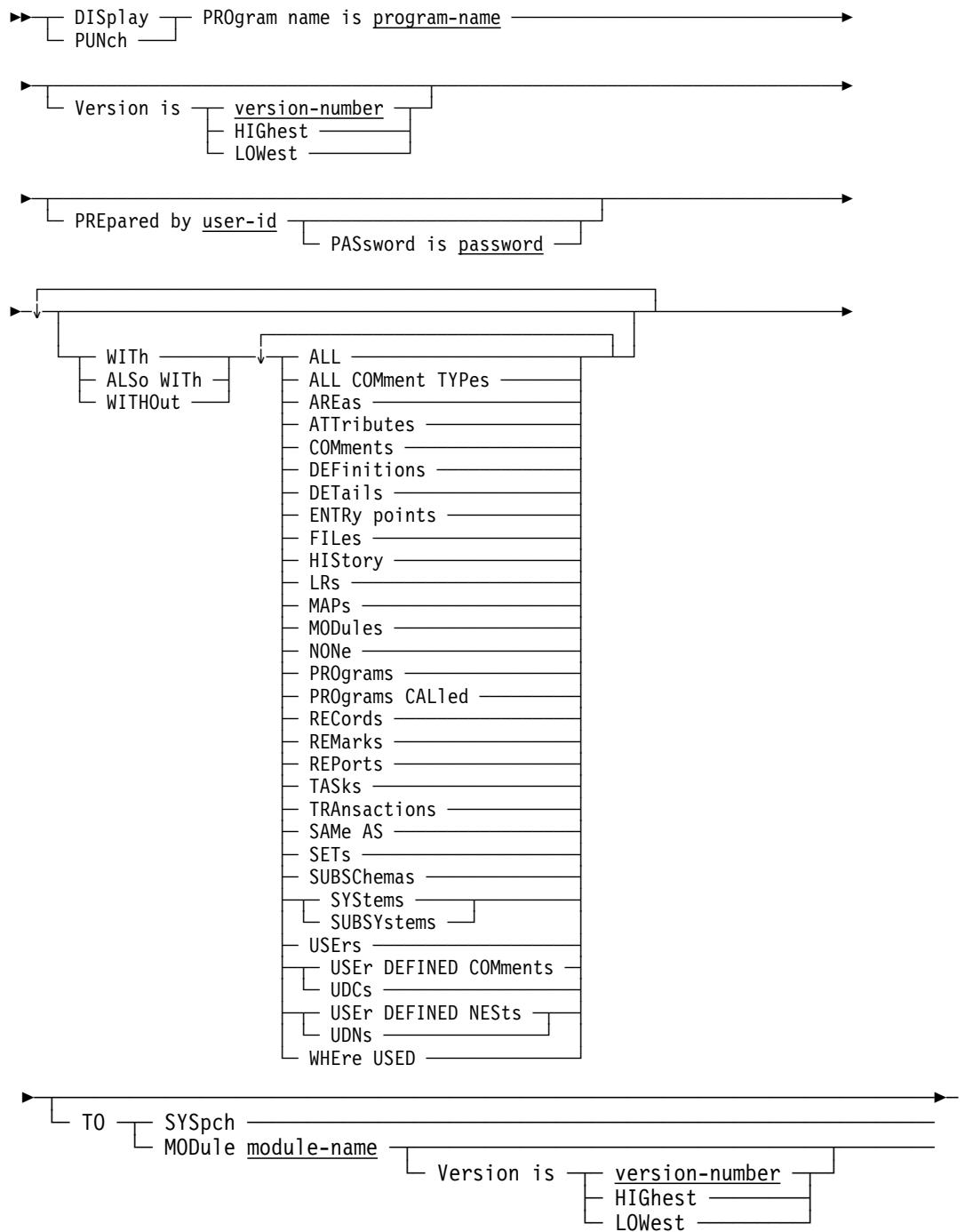






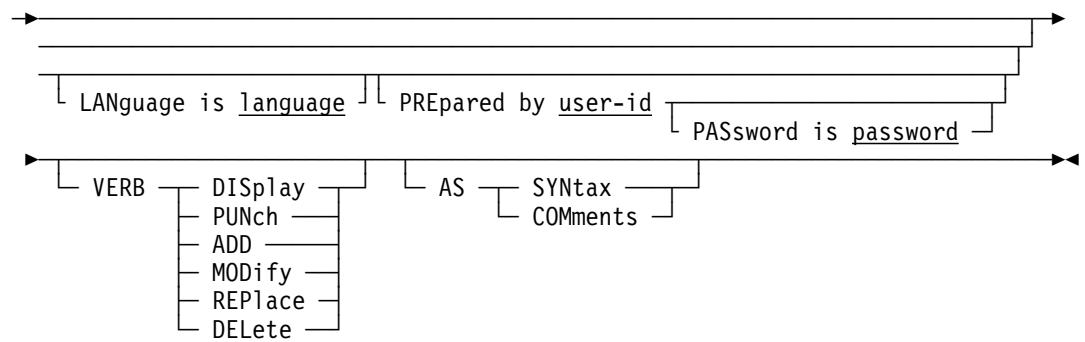




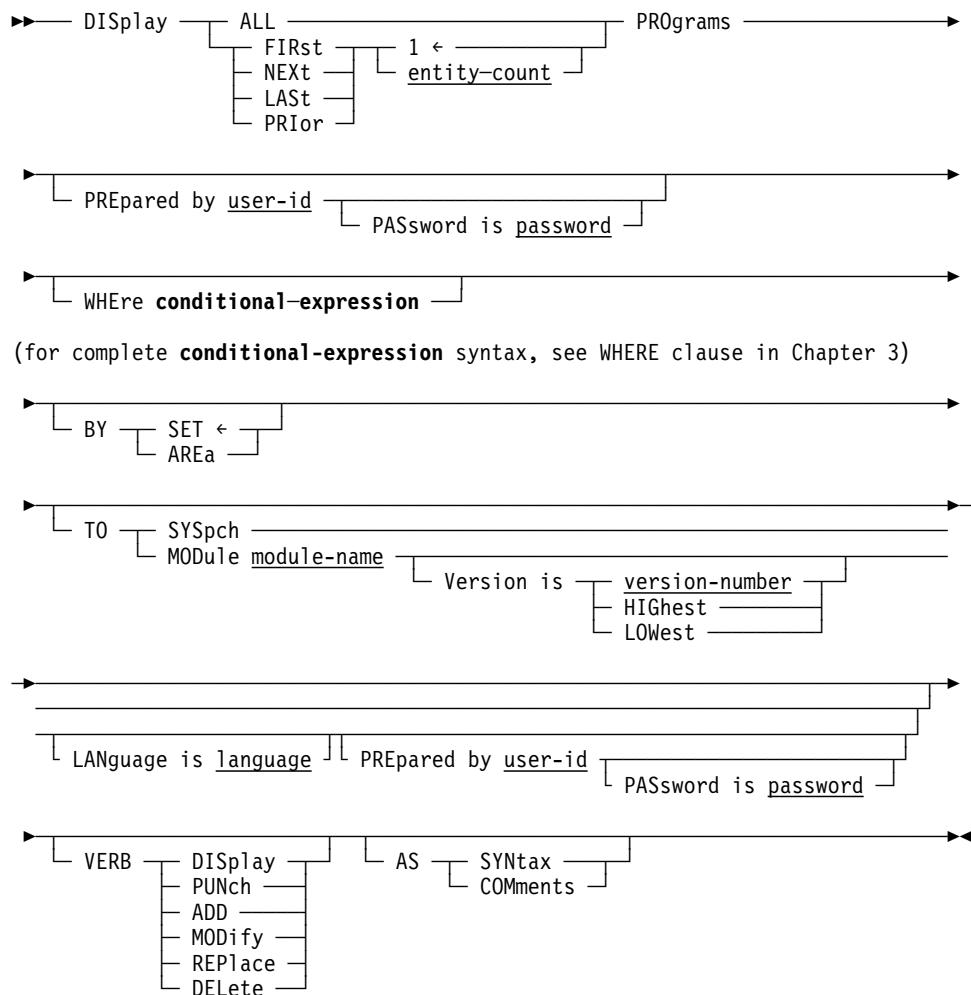
**DISPLAY/PUNCH PROGRAM Statement (for a single program)**

### 3.18 PROGRAM

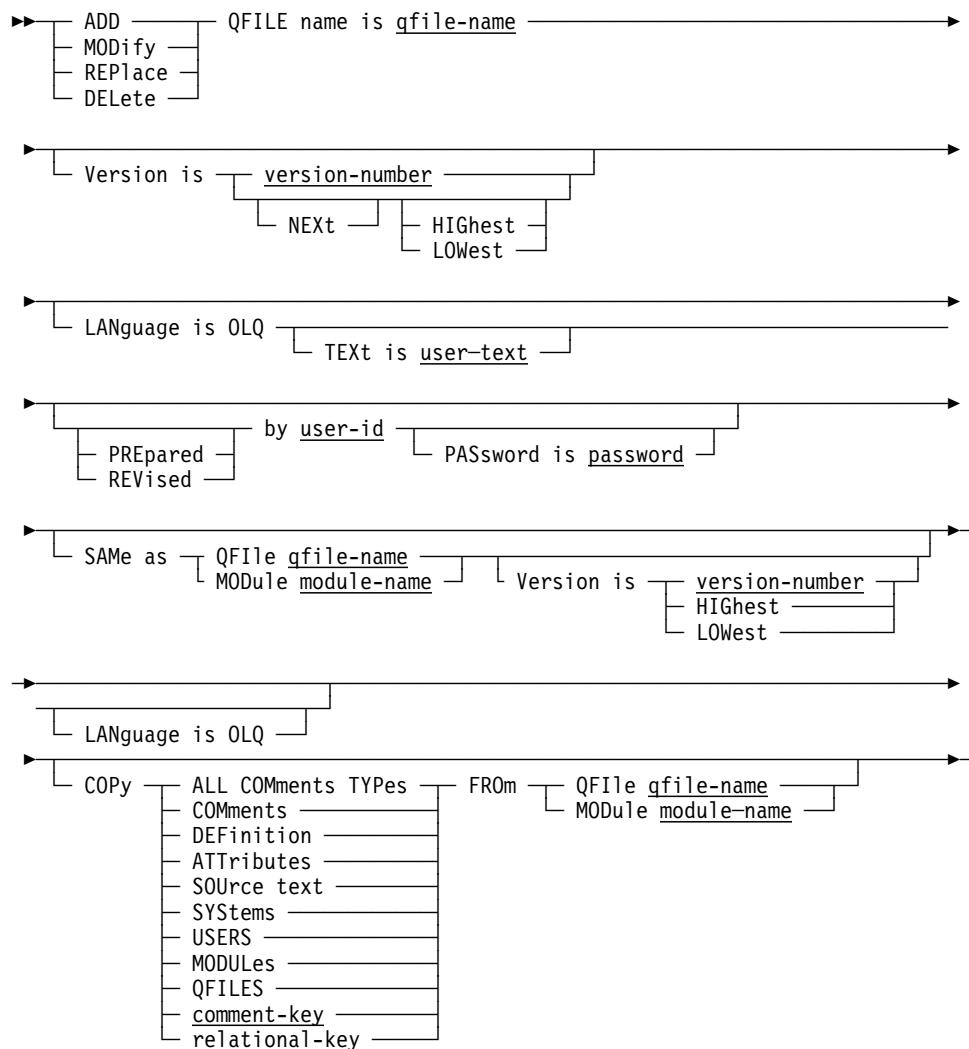
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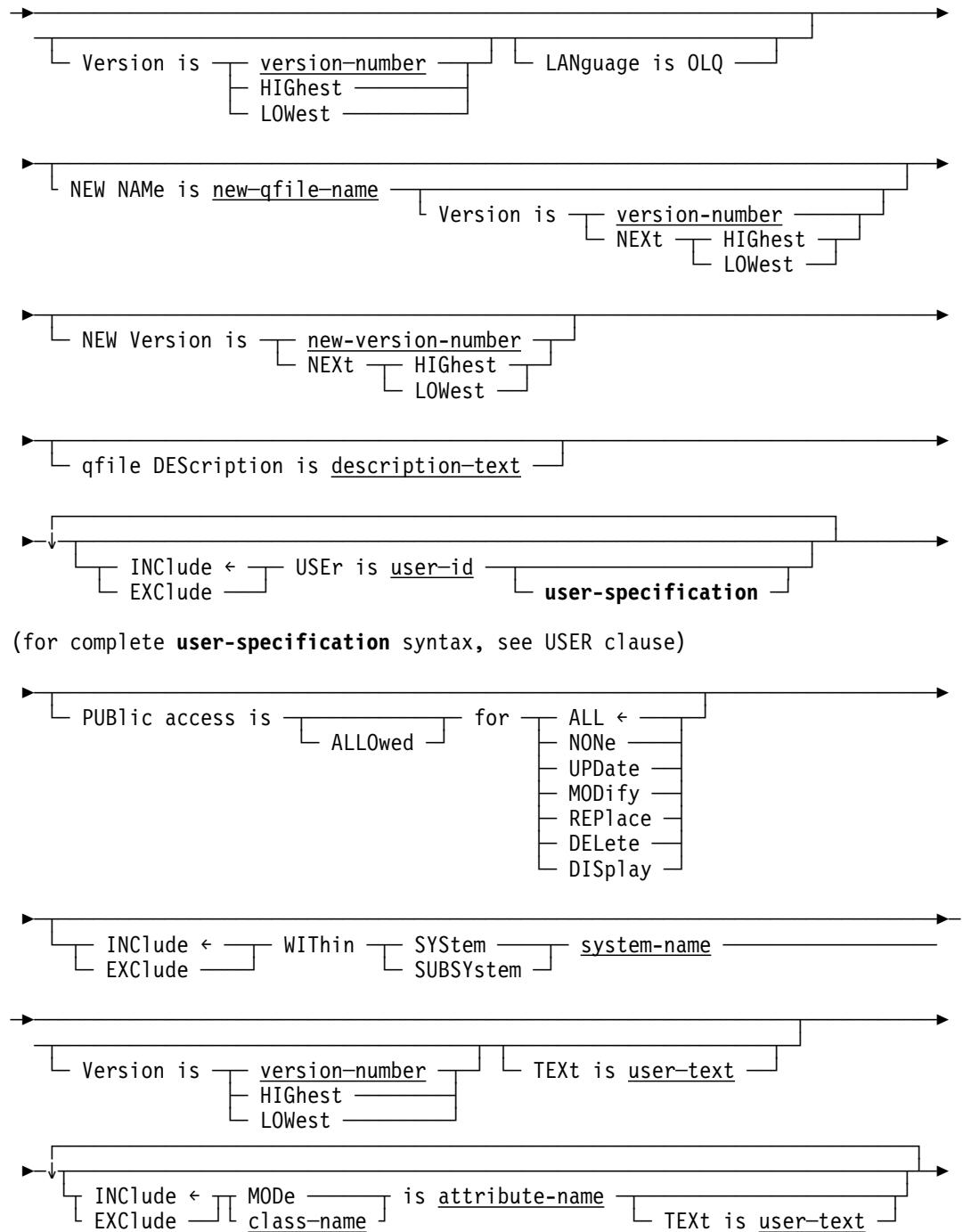


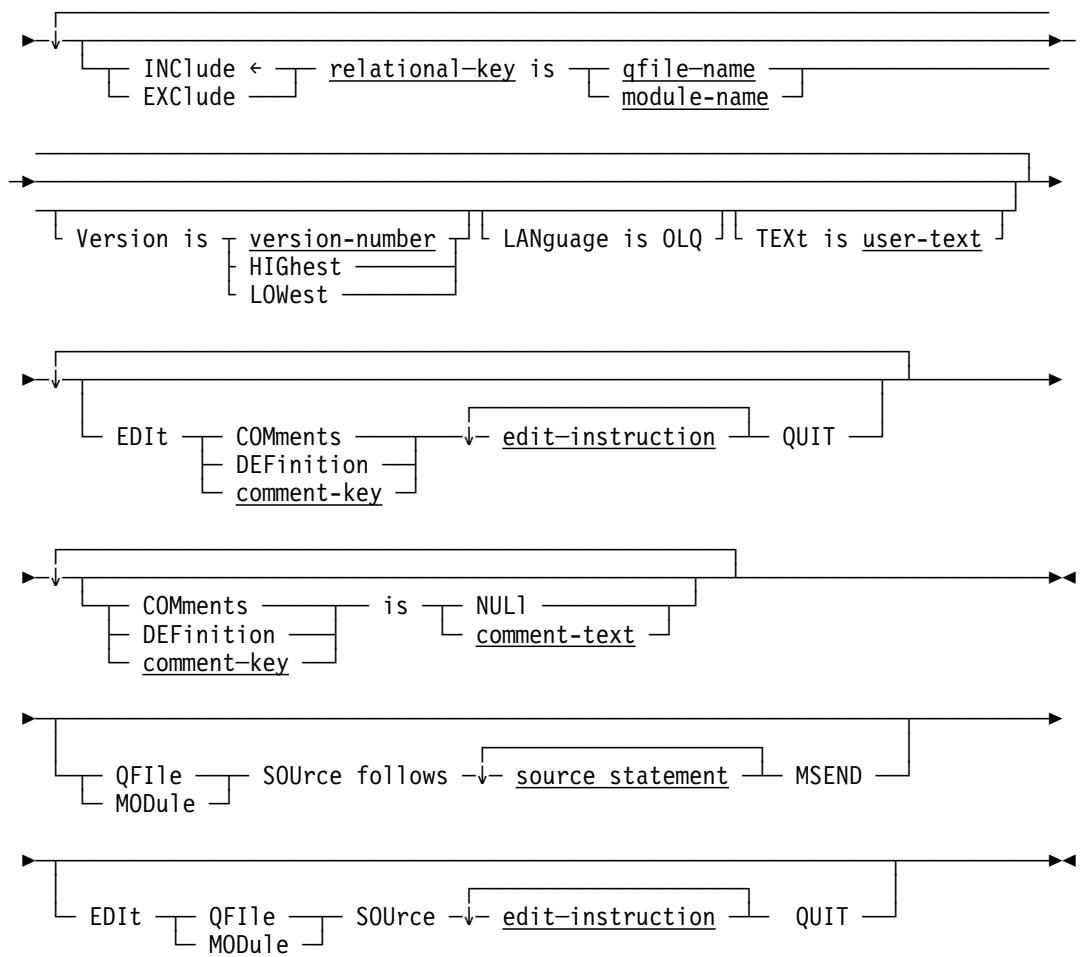
## **DISPLAY/PUNCH PROGRAM Statement (for multiple programs)**

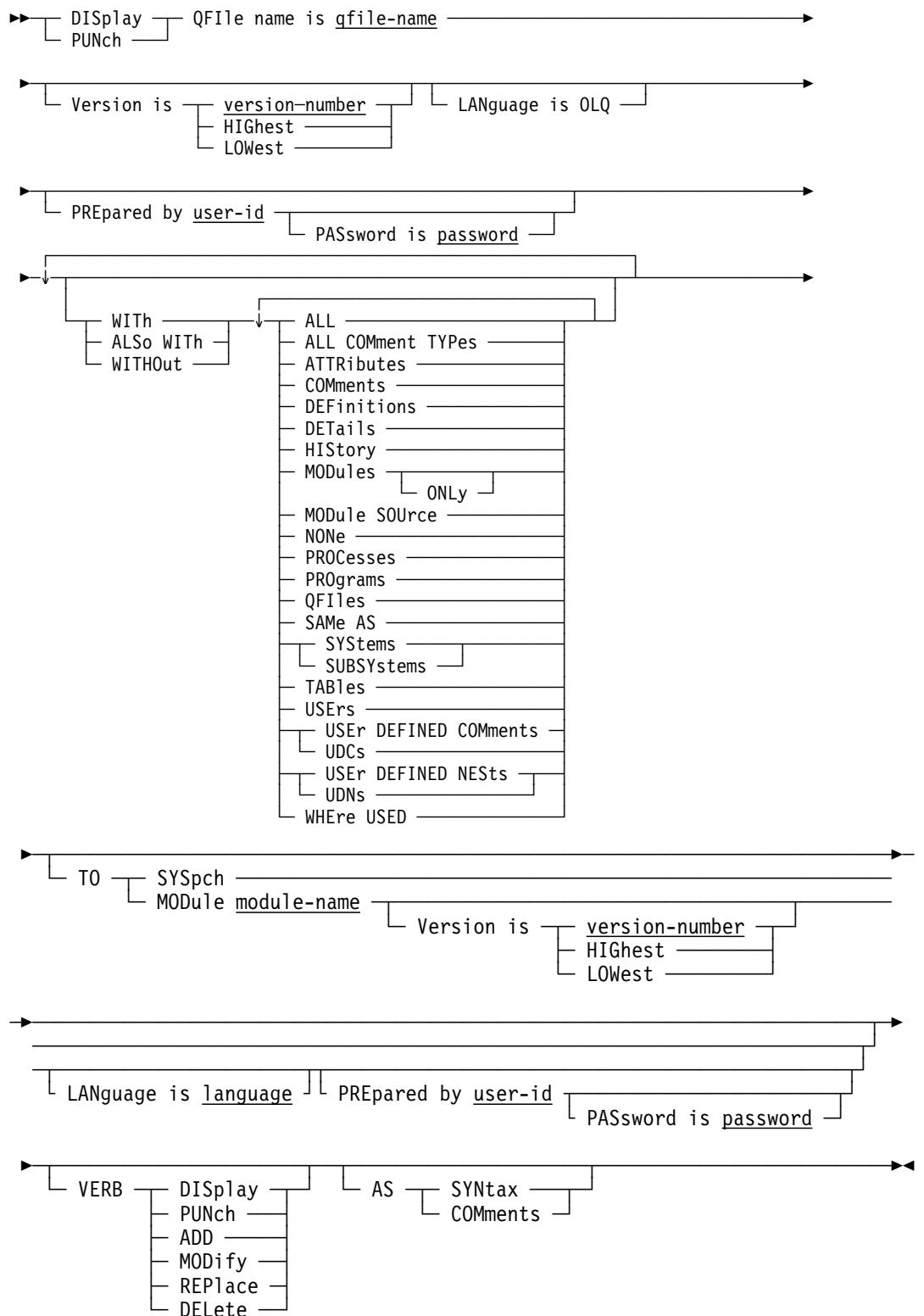


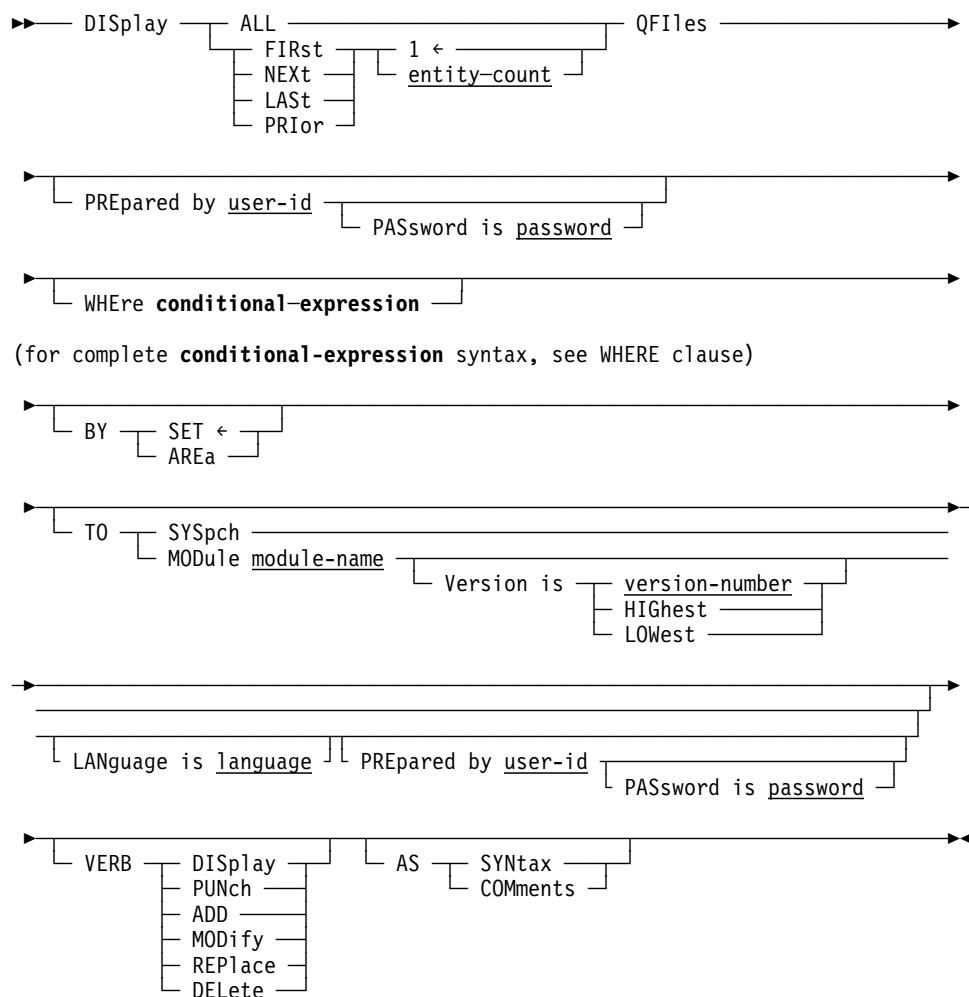
## 3.19 QFILE



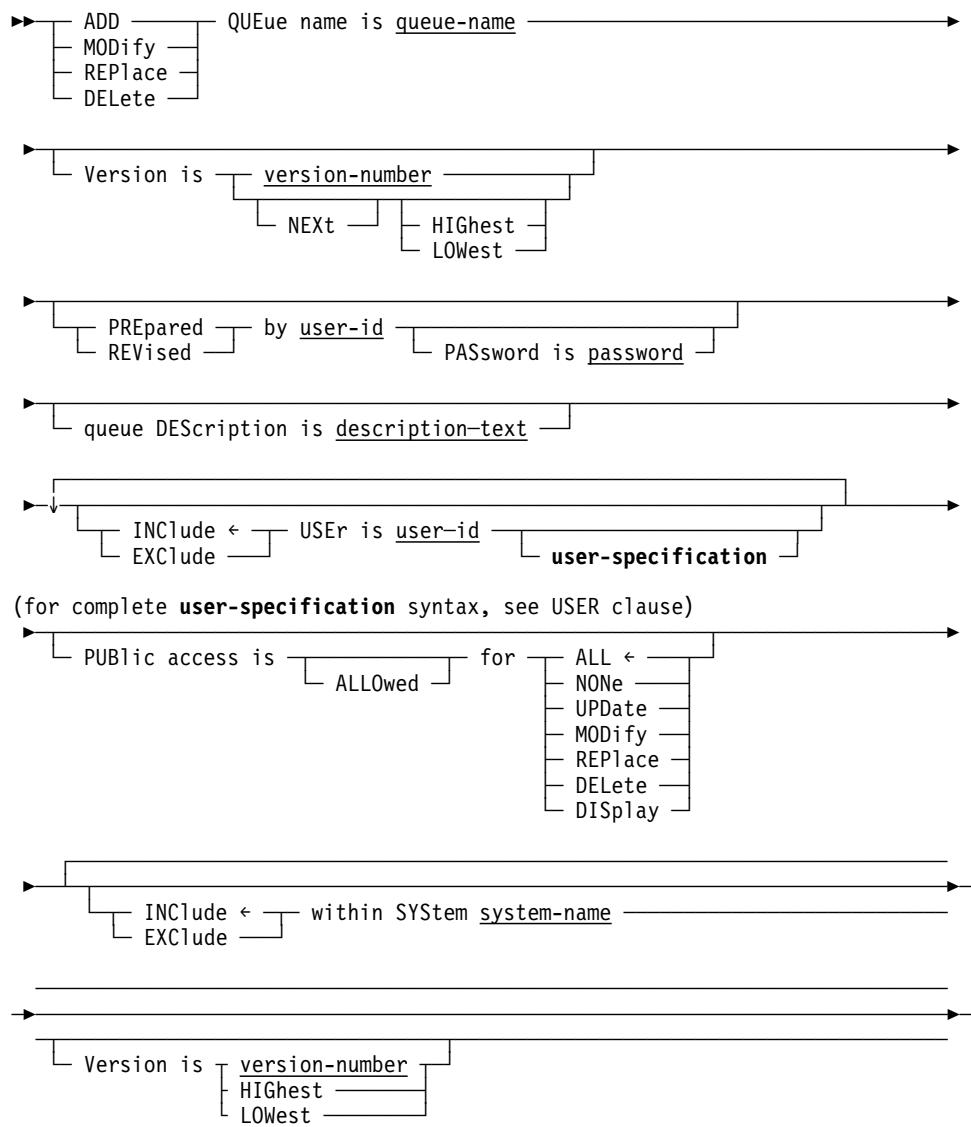


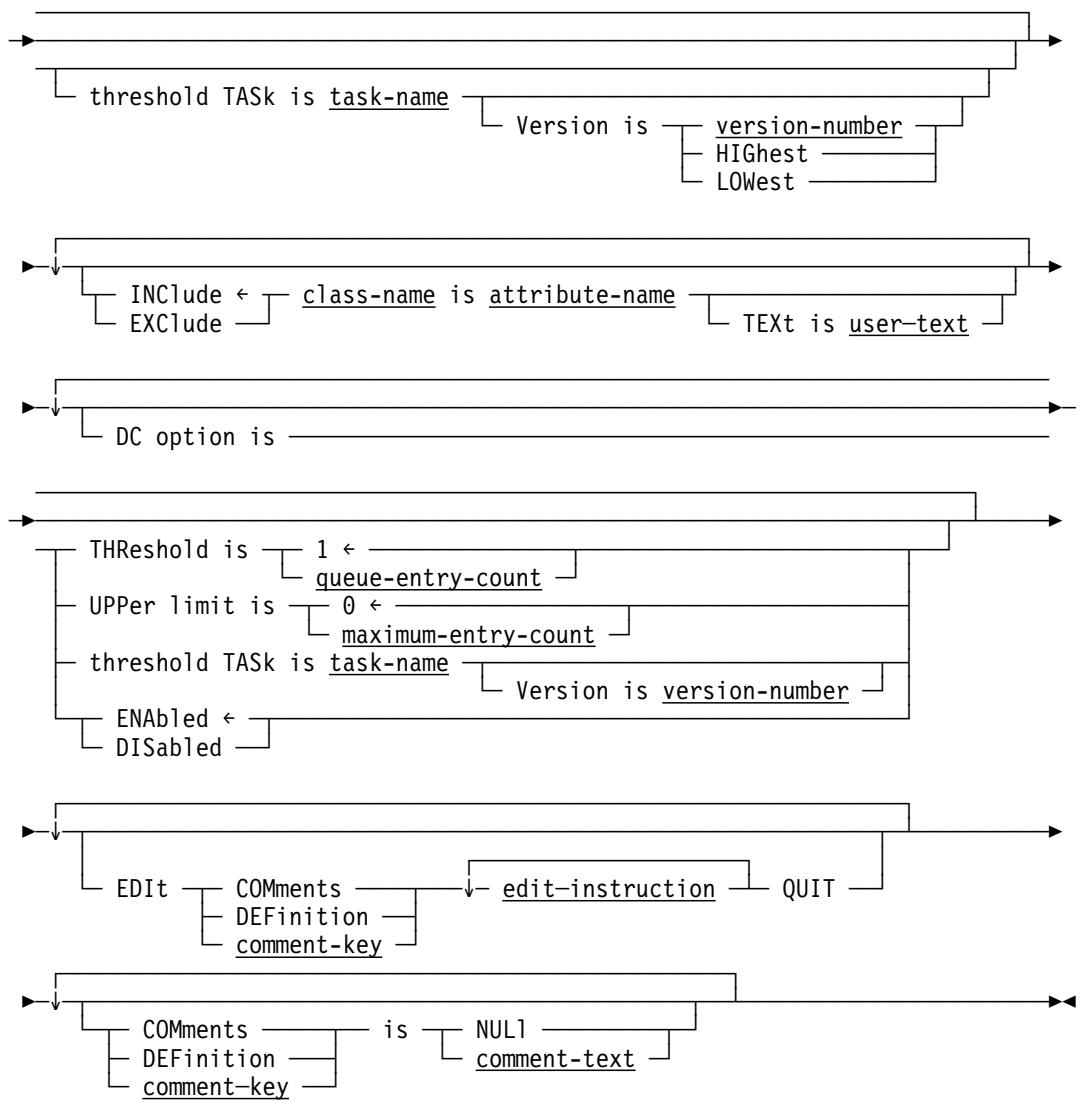


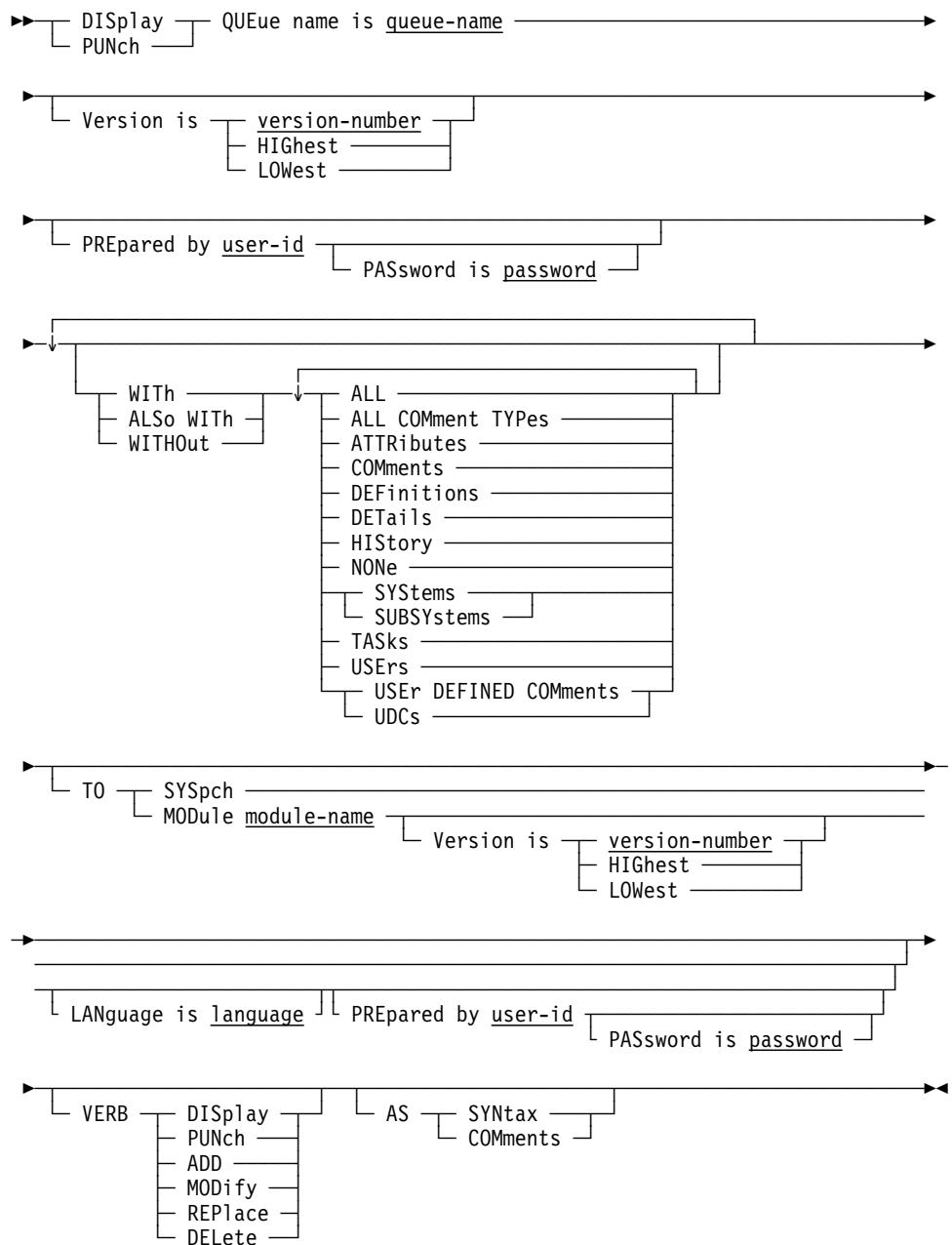
**DISPLAY/PUNCH QFILE Statement (for a single qfile)**

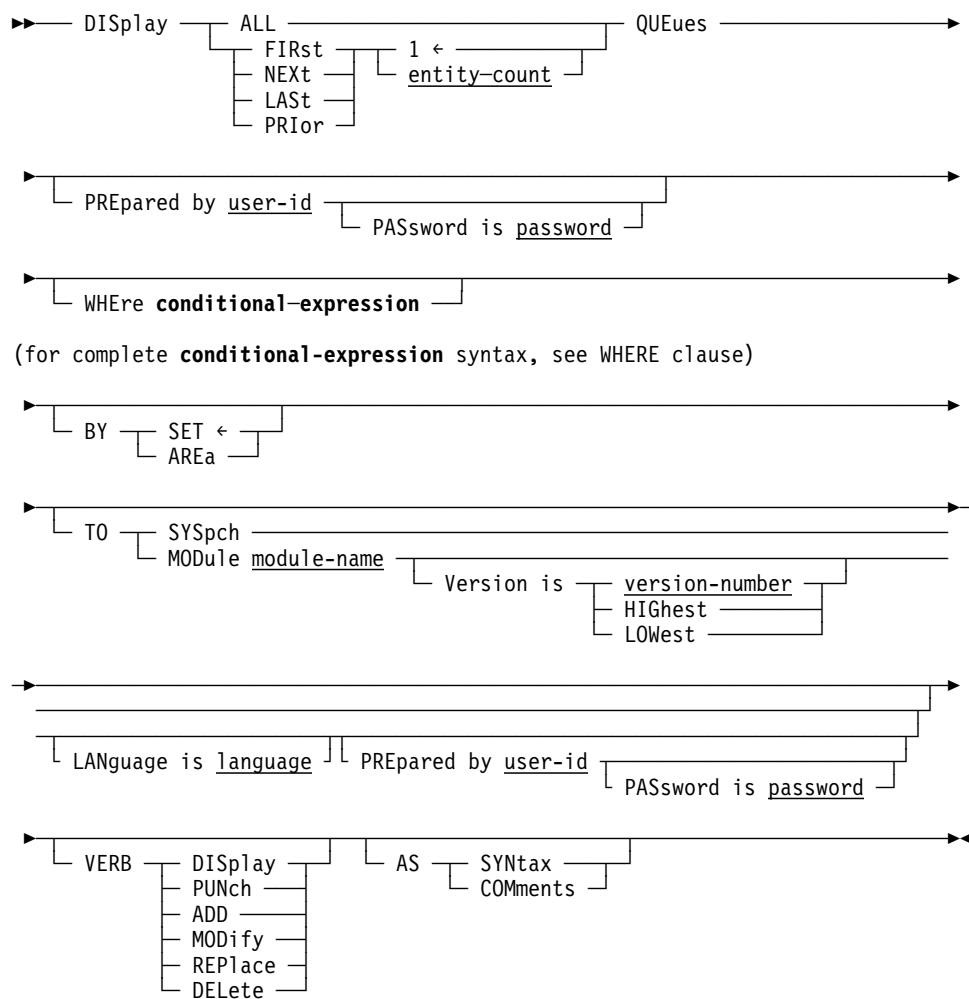
**DISPLAY/PUNCH QFILE Statement (for multiple qfiles)**

## 3.20 QUEUE

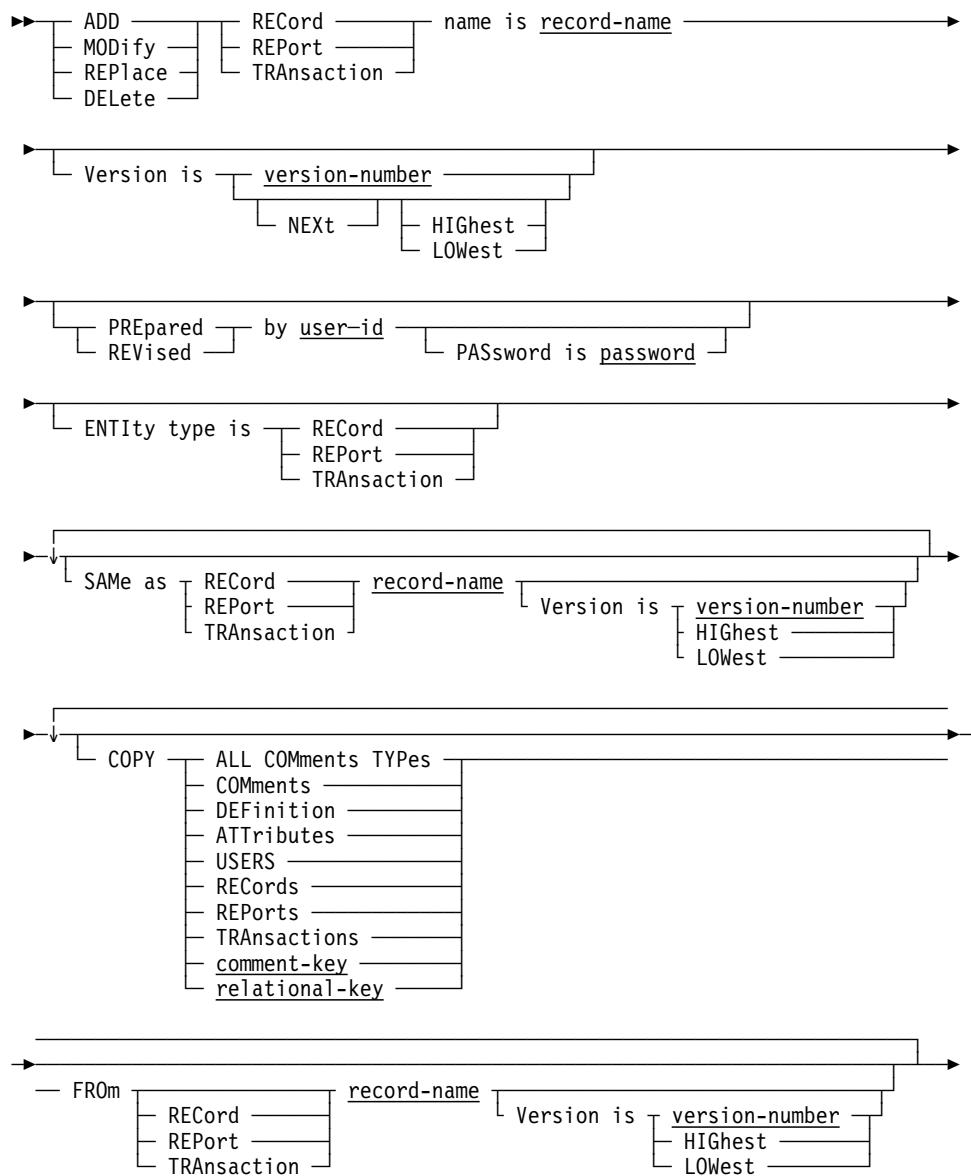




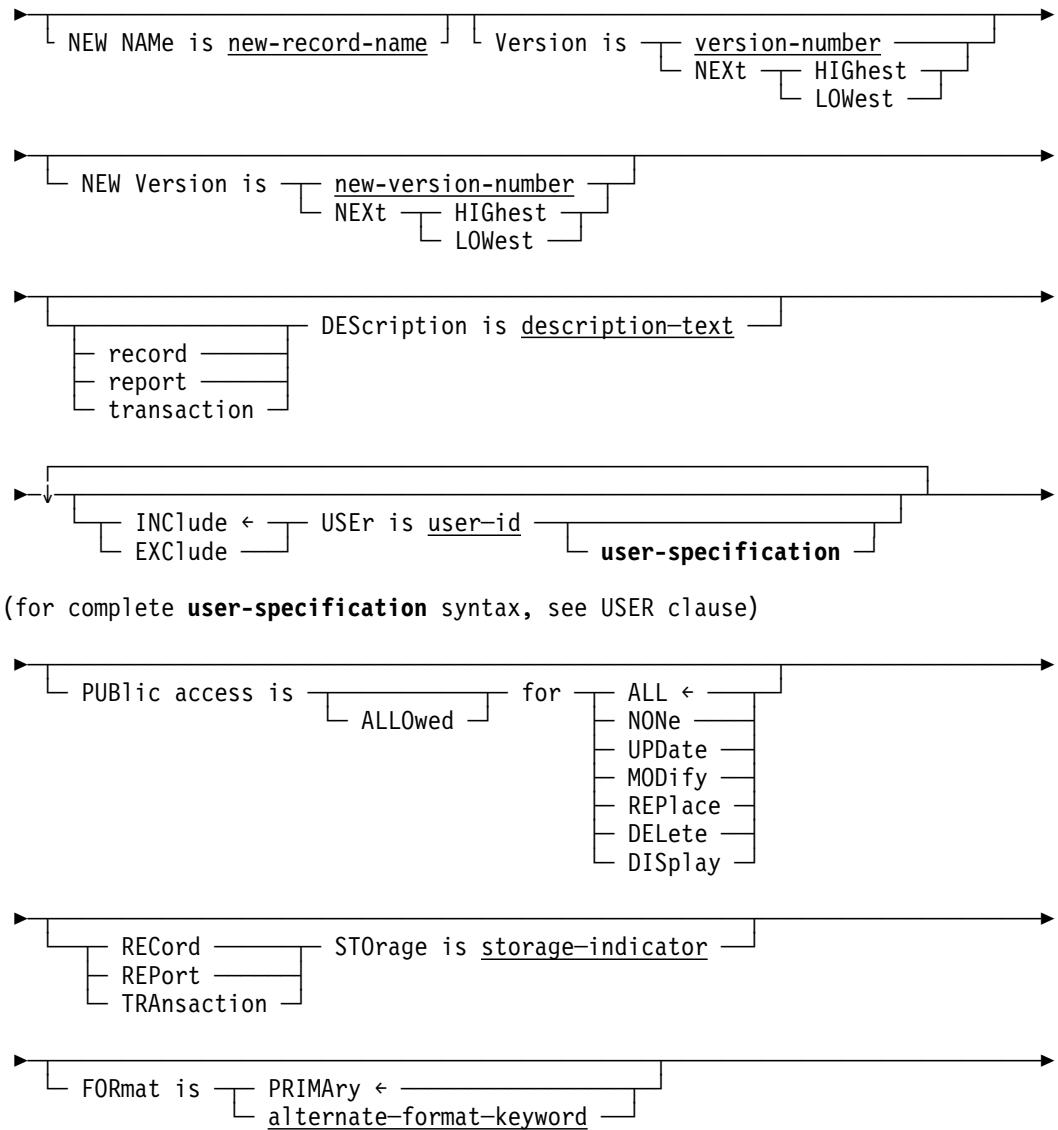
**DISPLAY/PUNCH QUEUE Statement (for a single queue)**

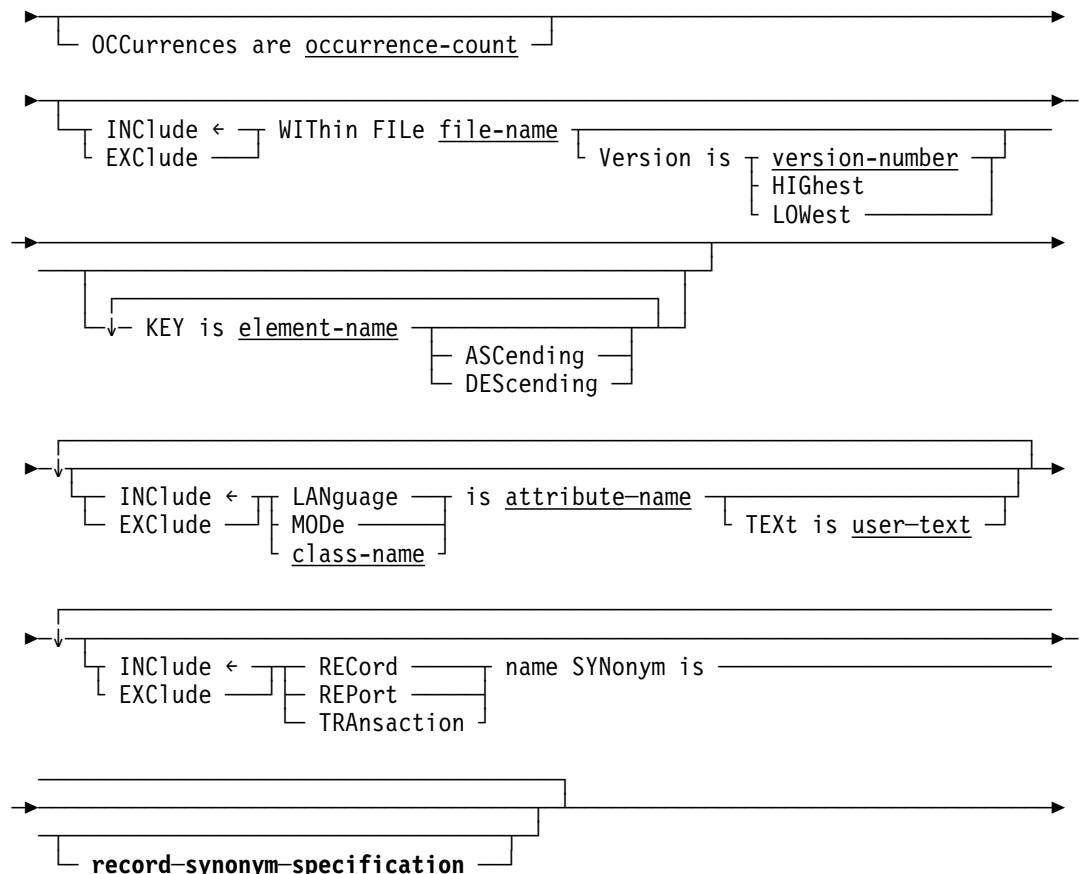
**DISPLAY/PUNCH QUEUE Statement (for multiple queues)**

## 3.21 RECORD (REPORT/TRANSACTION)

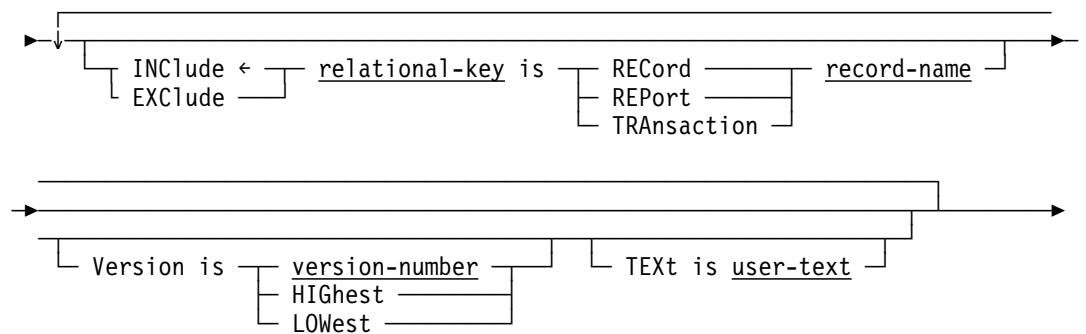


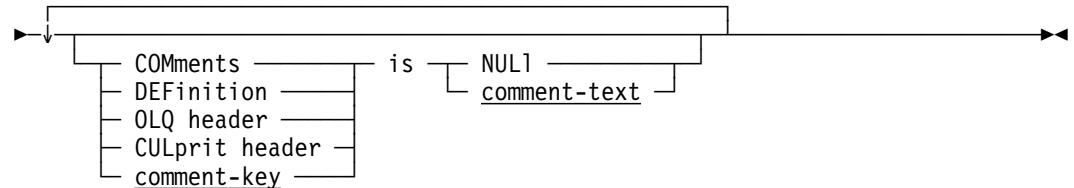
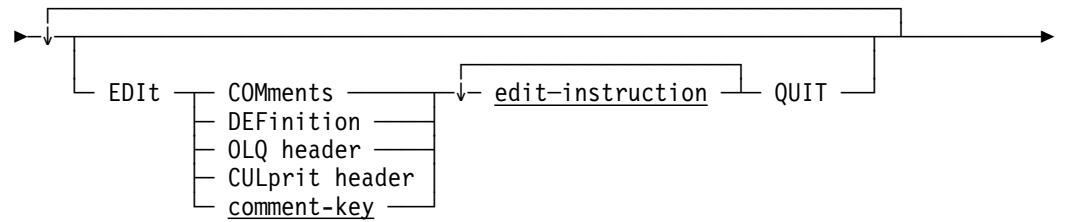
### 3.21 RECORD (REPORT/TRANSACTION)



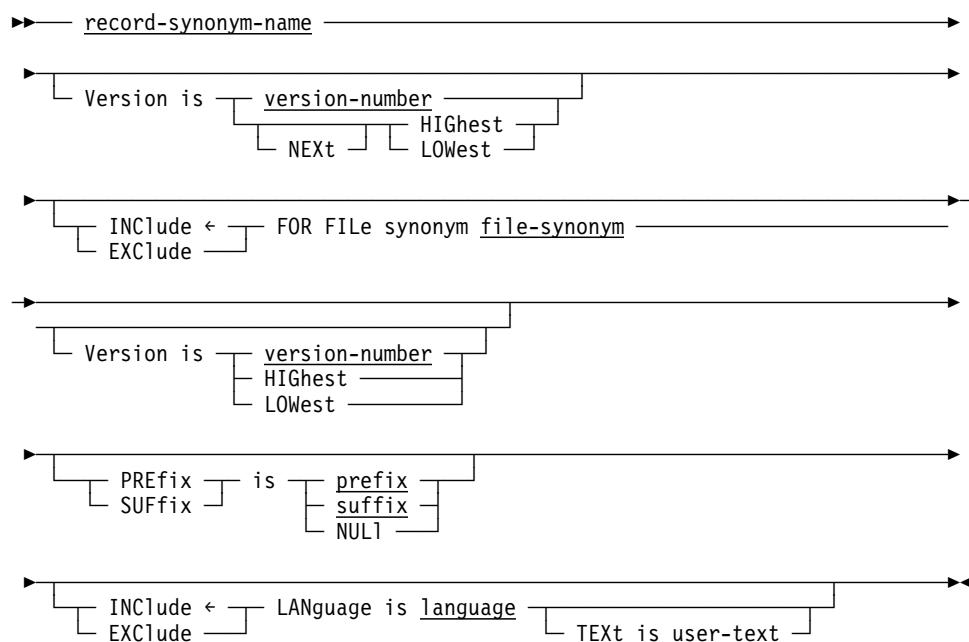


(expanded **record-synonym-specification** syntax follows this syntax diagram)

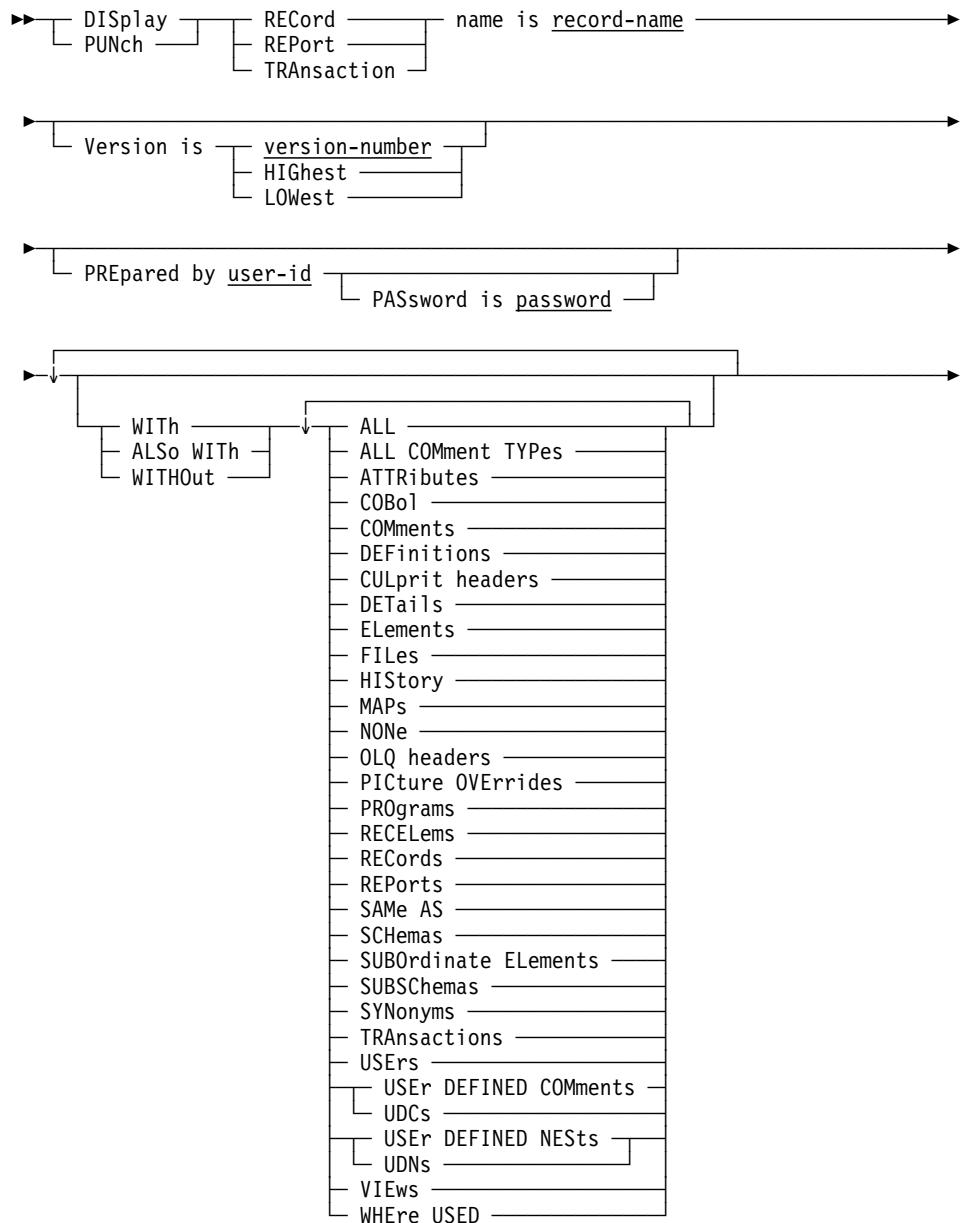




#### Expansion of Record Synonym Specification

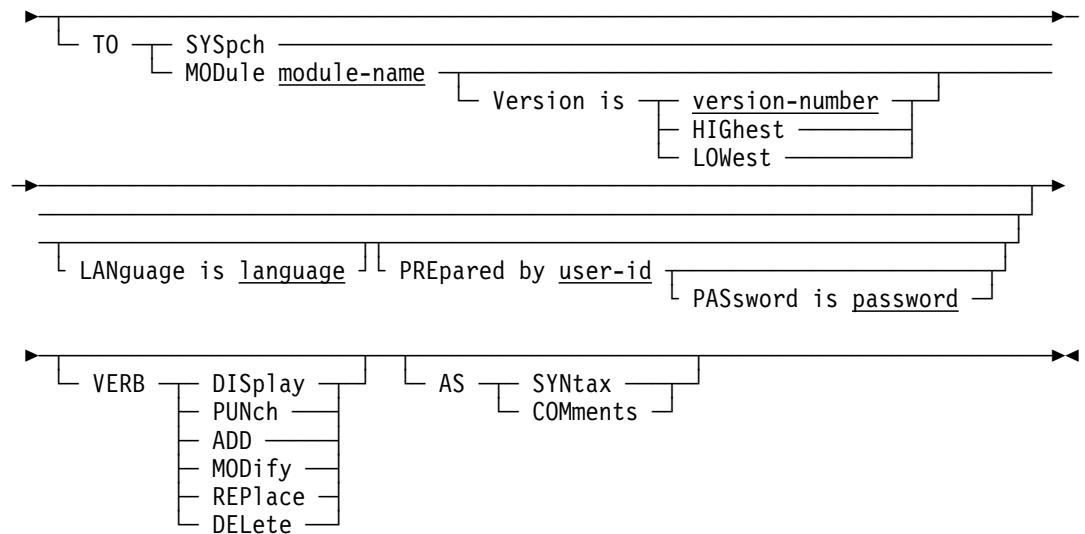


**DISPLAY/PUNCH RECORD (REPORT) (TRANSACTION) Statement (for a single record)**

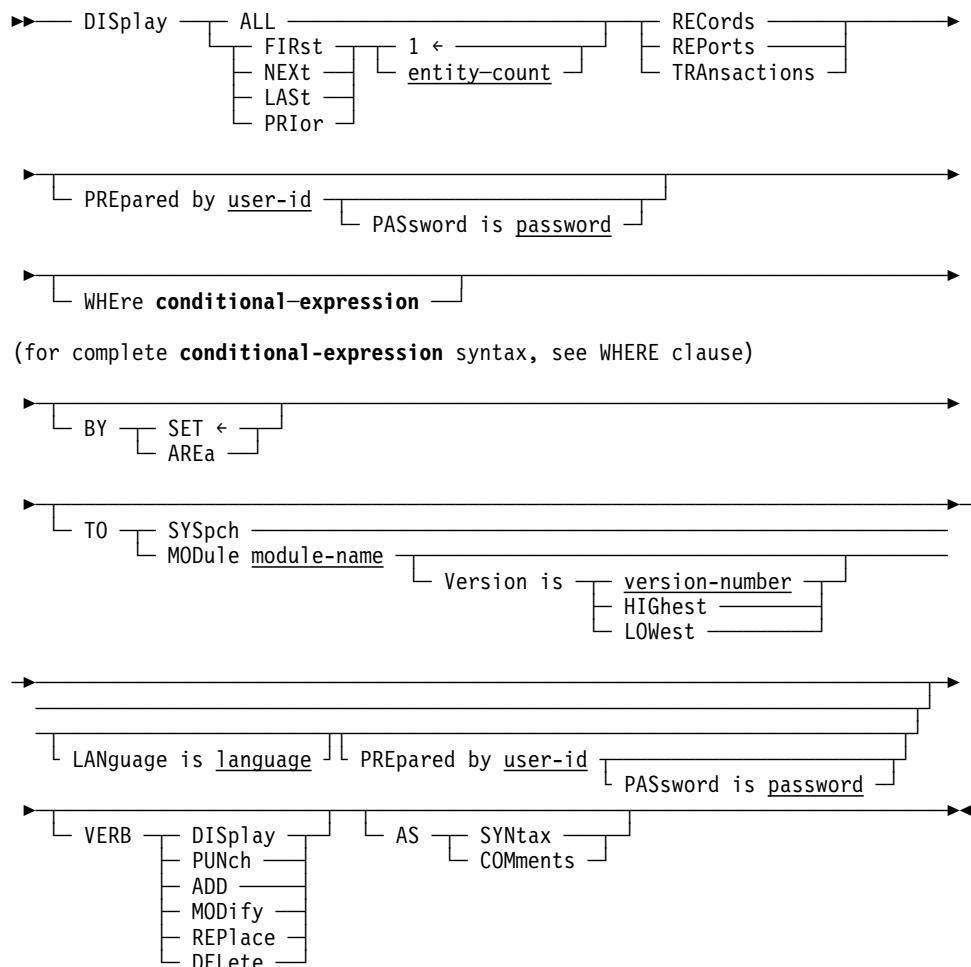


### 3.21 RECORD (REPORT/TRANSACTION)

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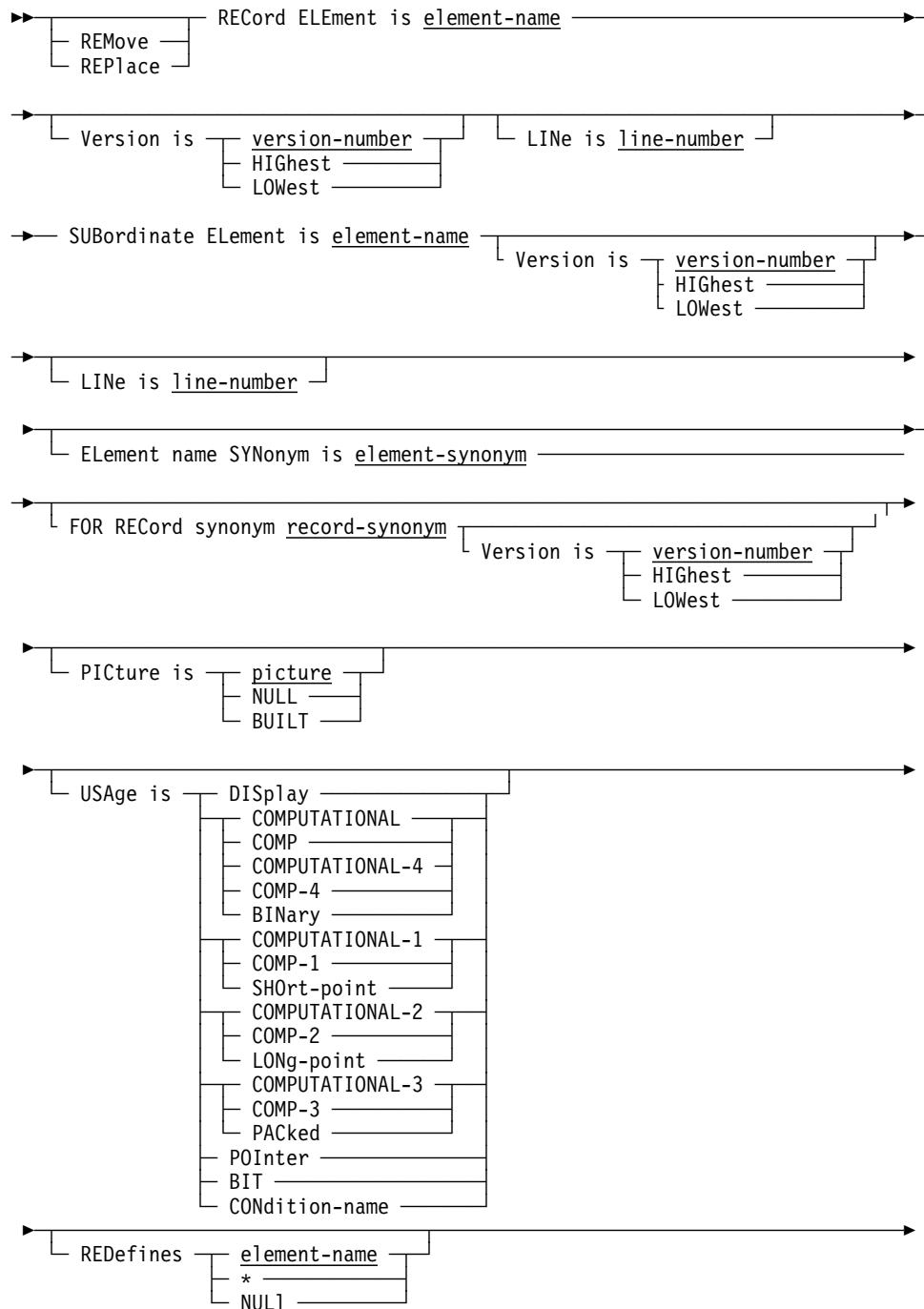


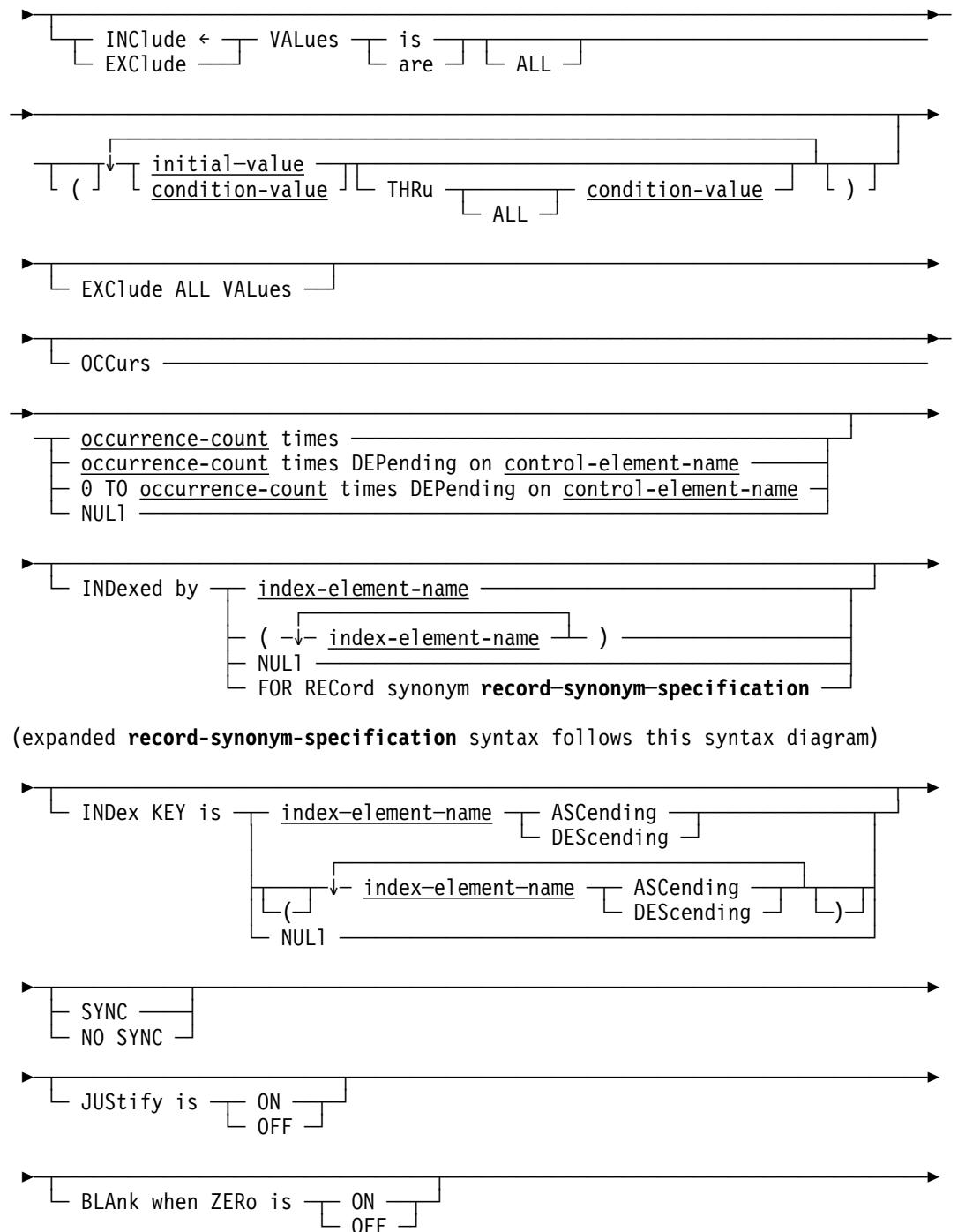
## **DISPLAY/PUNCH RECORD (REPORT) (TRANSACTION) Statement (for multiple records)**

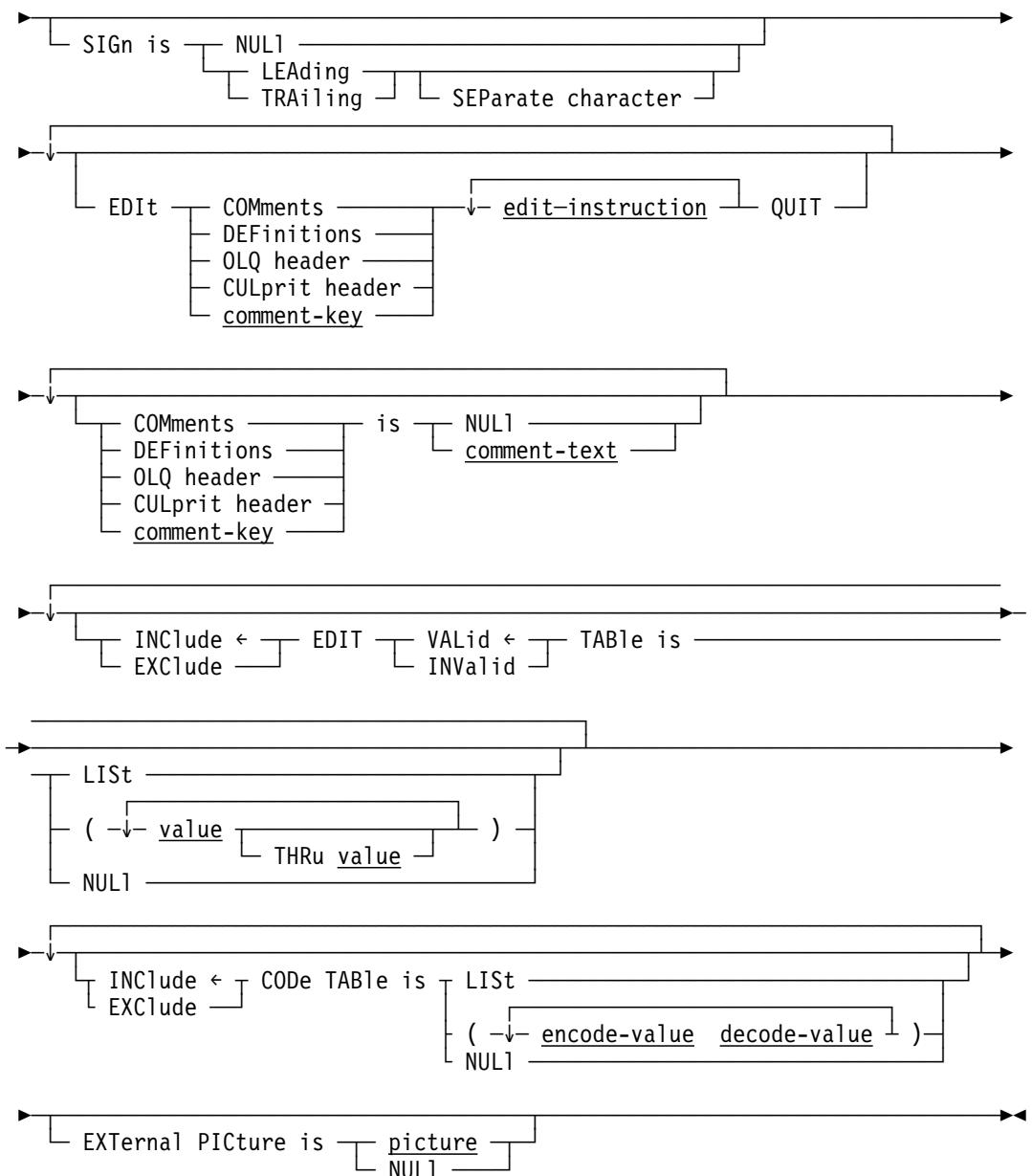


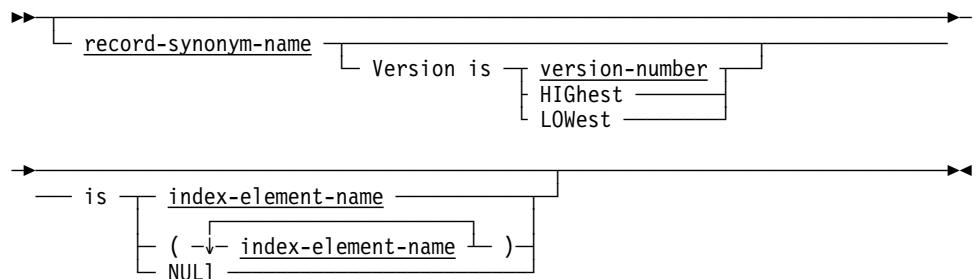
### 3.21 RECORD (REPORT/TRANSACTION)

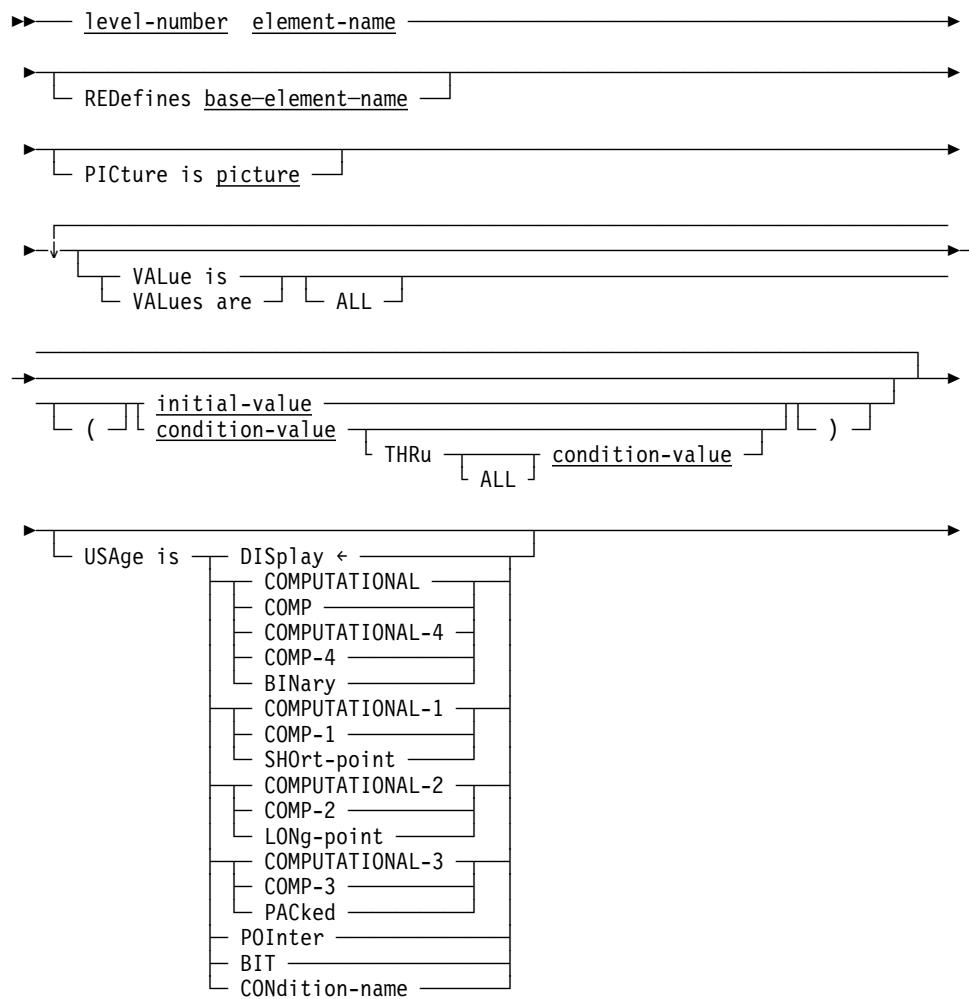
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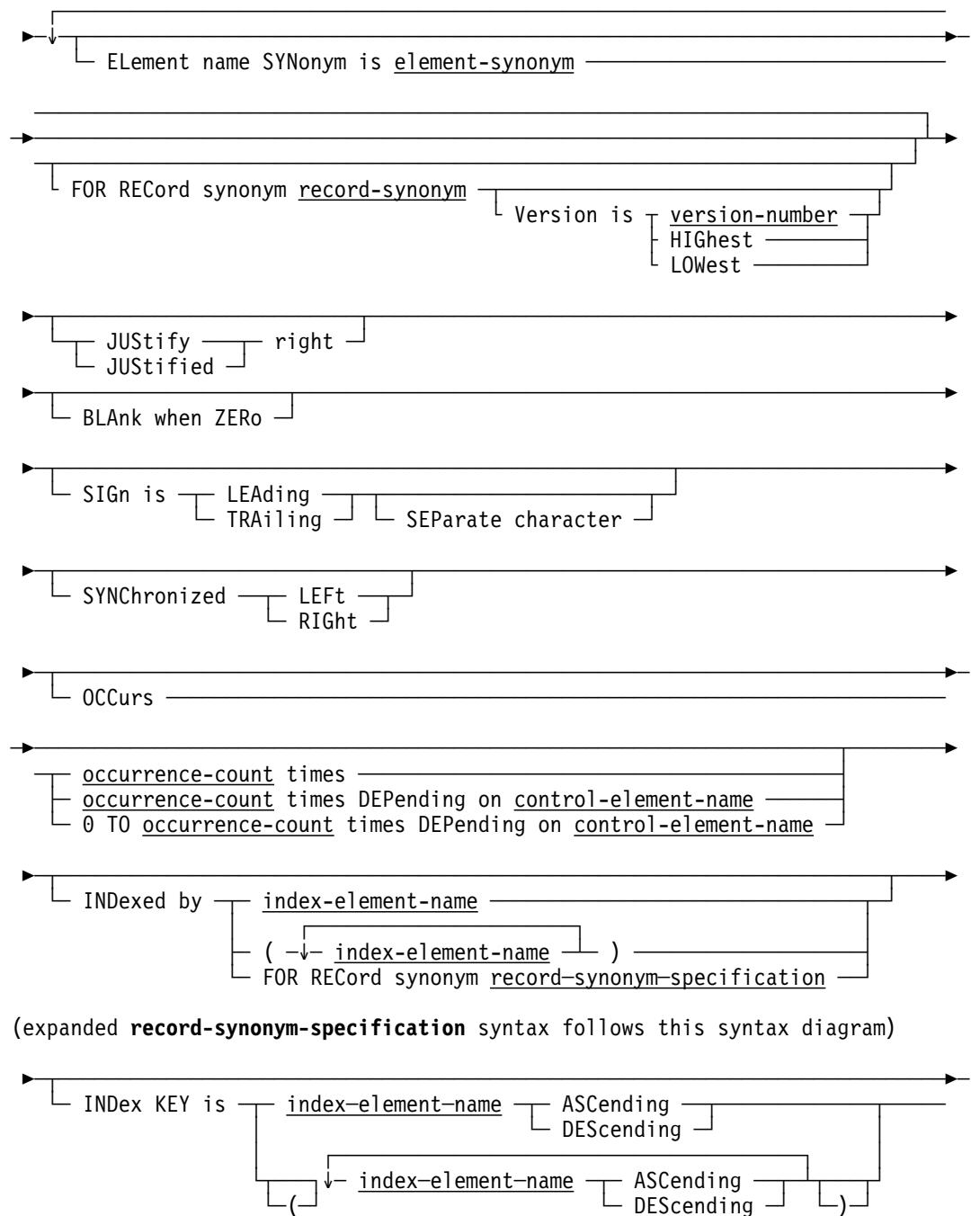


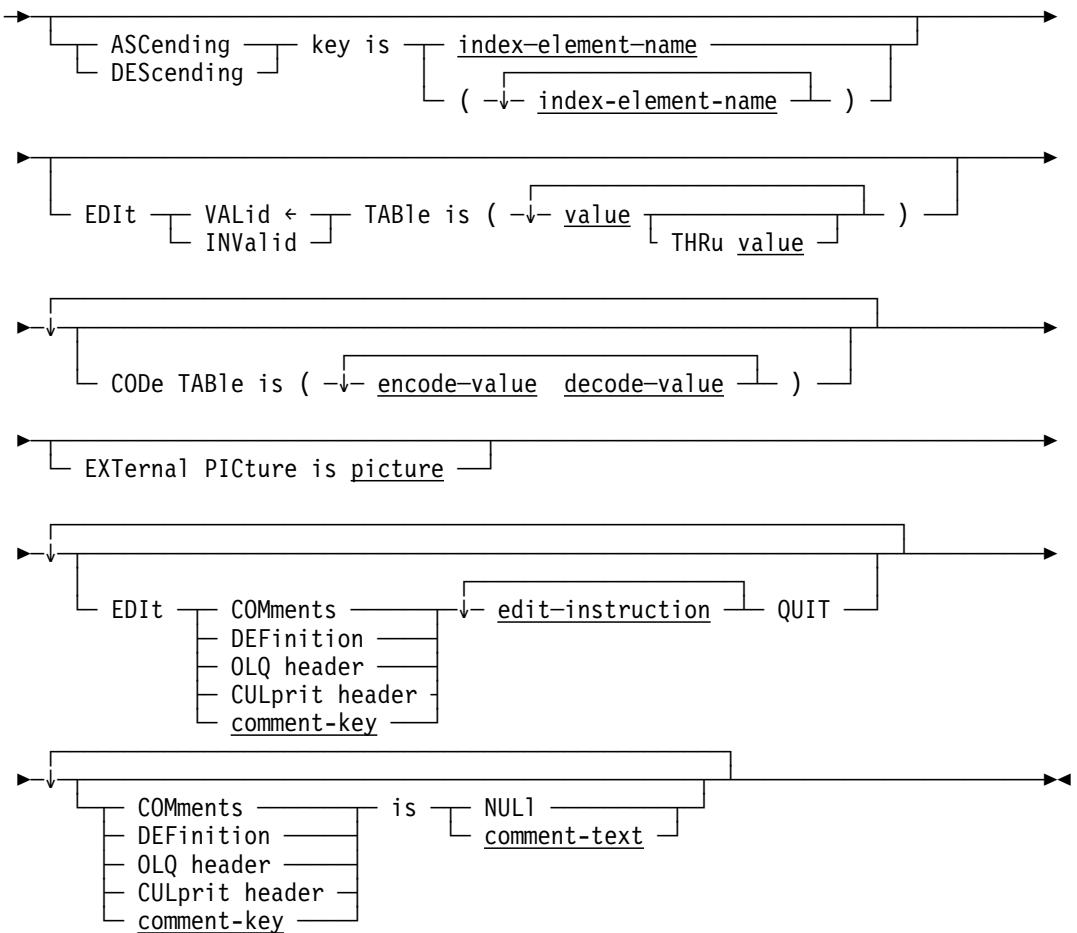




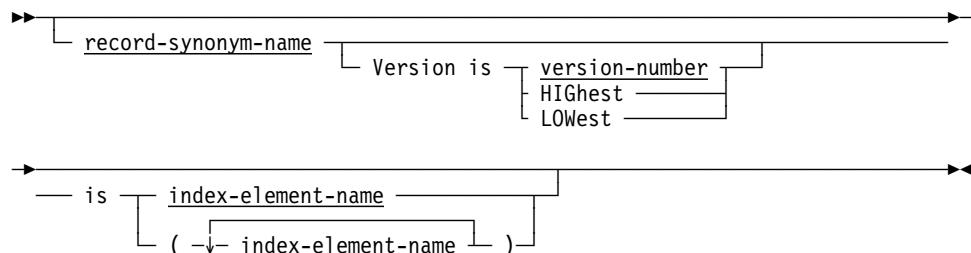
**Expansion of Record Synonym Specification**

**COBOL Substatement**





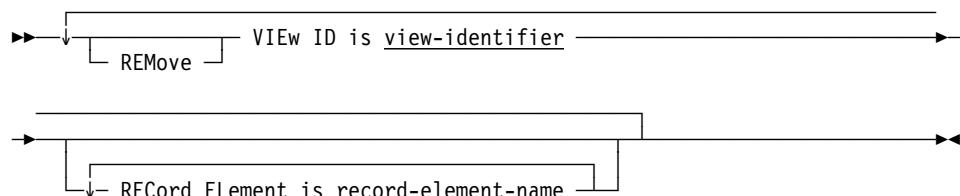
#### Expansion of Record Synonym Specification



#### REMOVE ALL Substatement

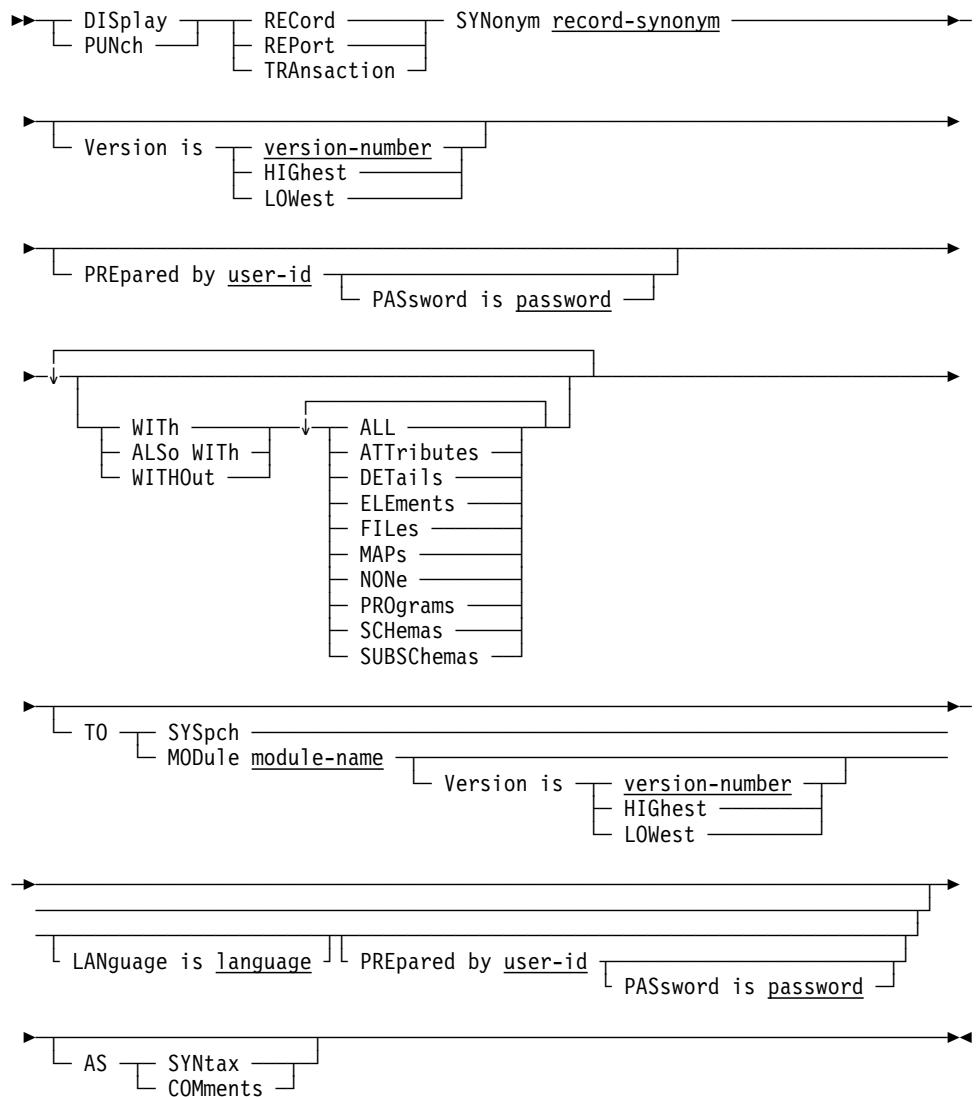
►► REMOVE ALL ►►

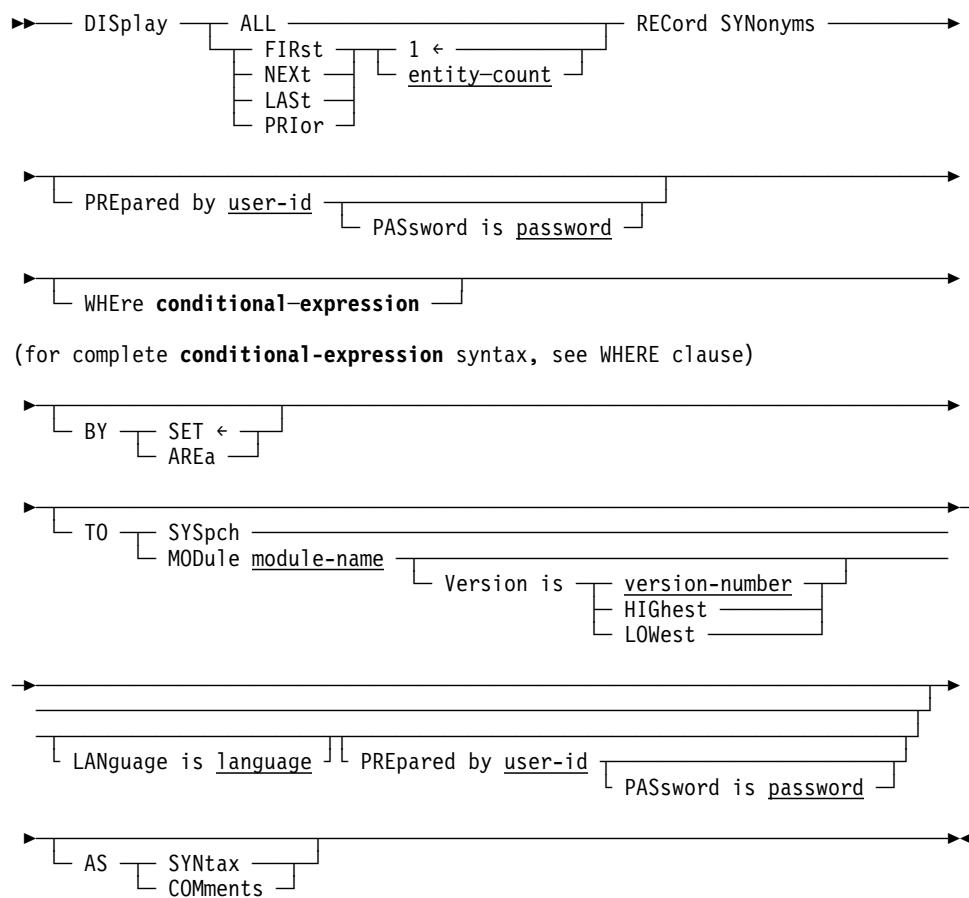
#### VIEW ID Substatement



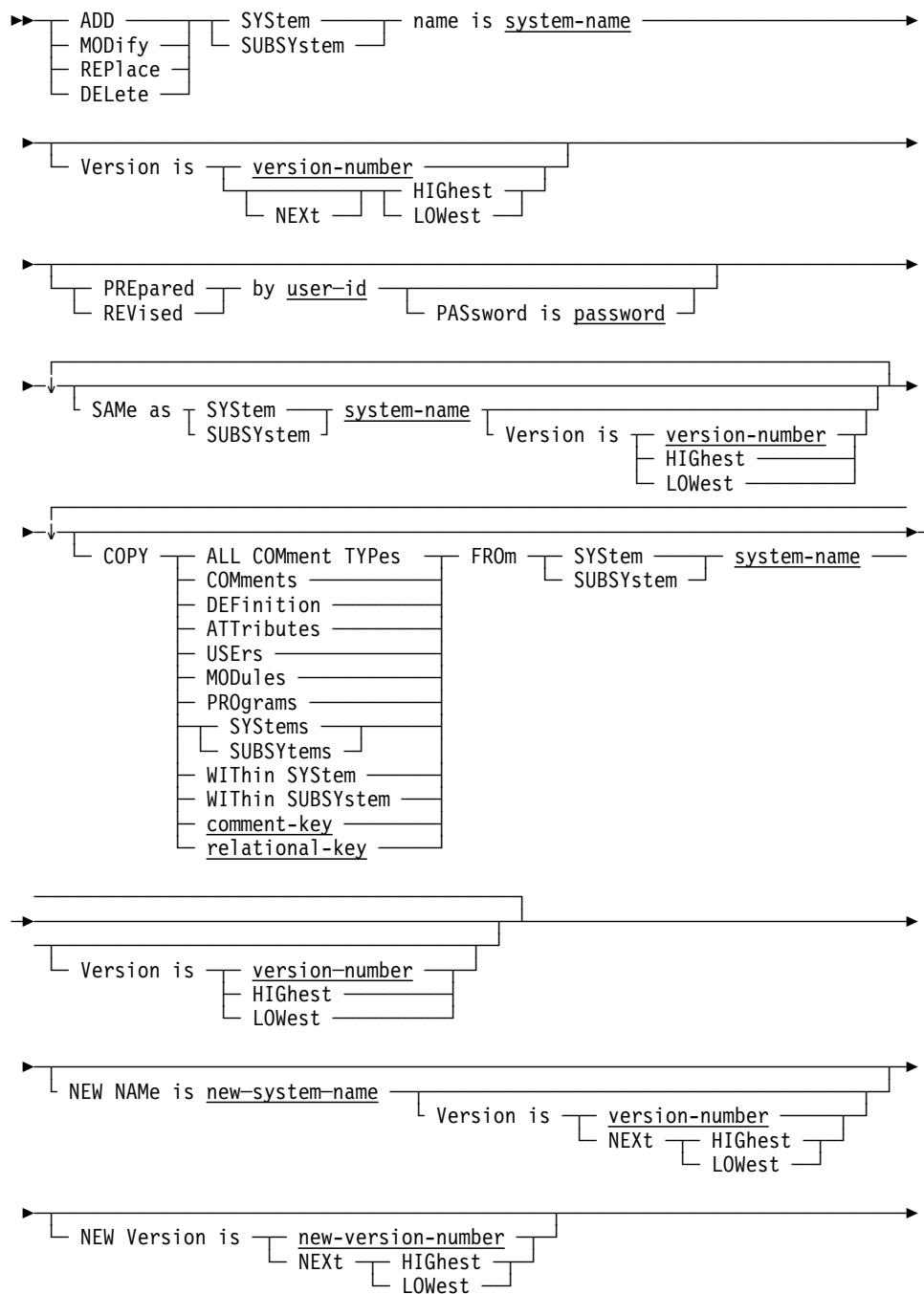
## 3.22 RECORD SYNONYM

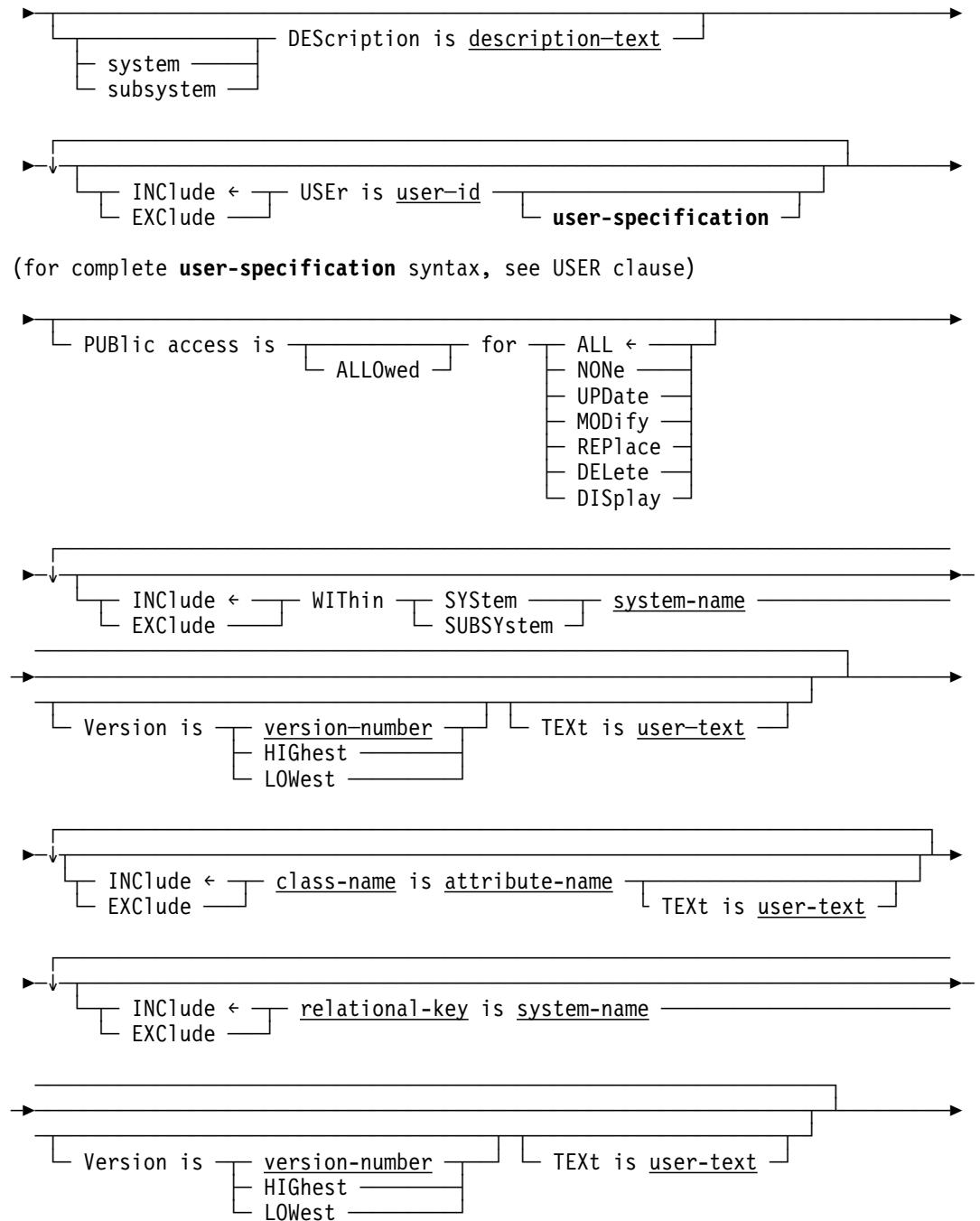
### DISPLAY/PUNCH RECORD SYNONYM Statement (for a single synonym)

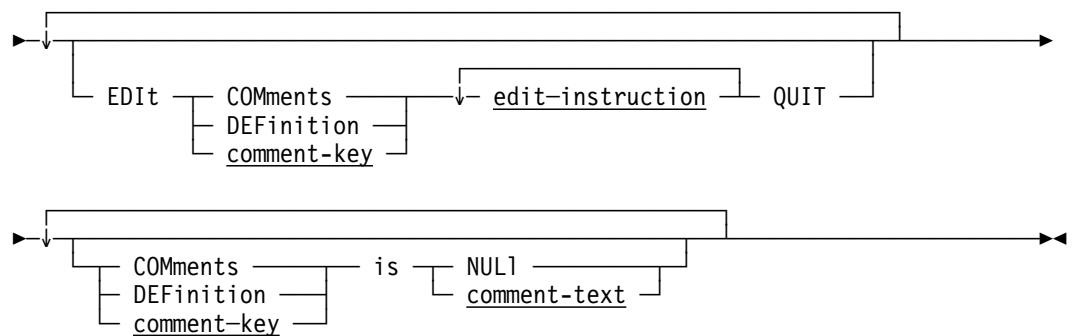


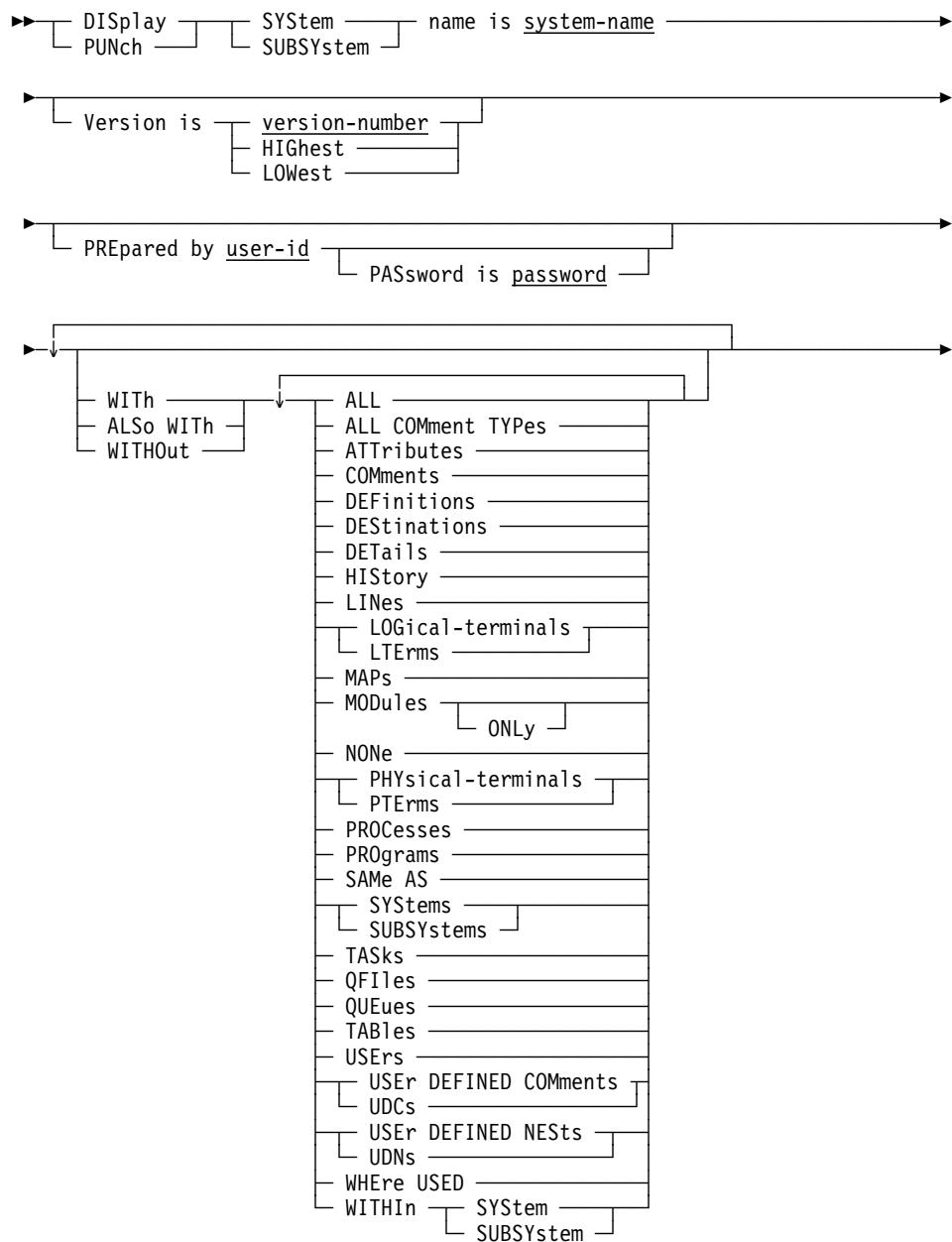
**DISPLAY/PUNCH RECORD SYNONYM Statement (for multiple synonyms)**

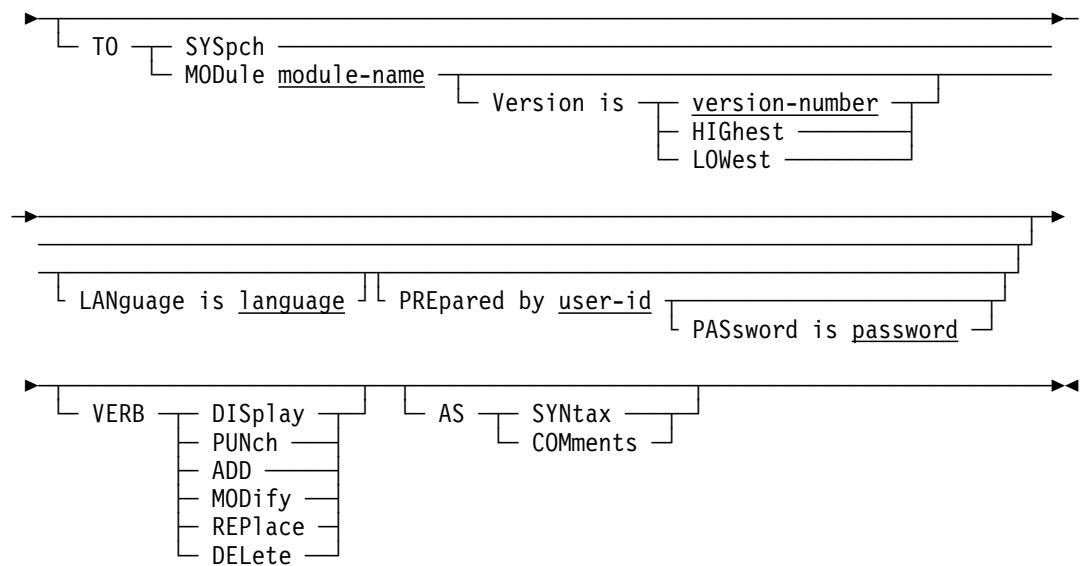
## 3.23 SYSTEM (SUBSYSTEM)

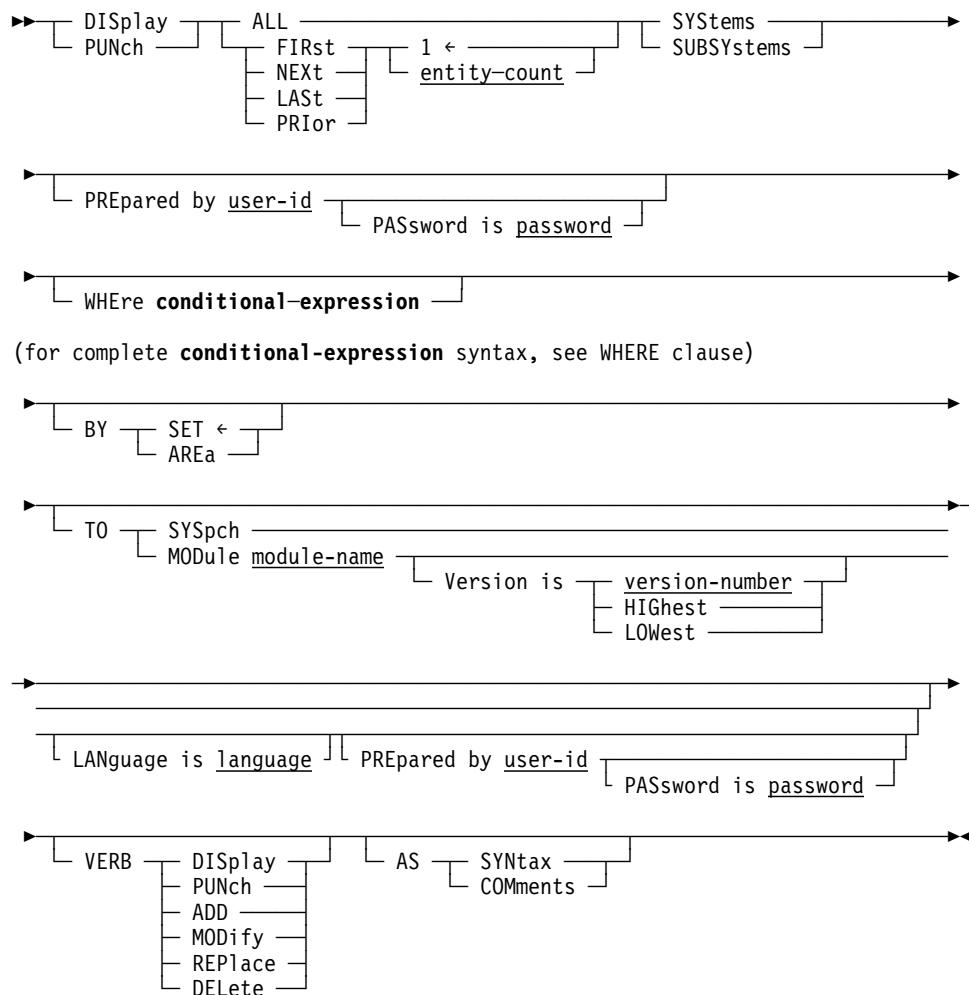




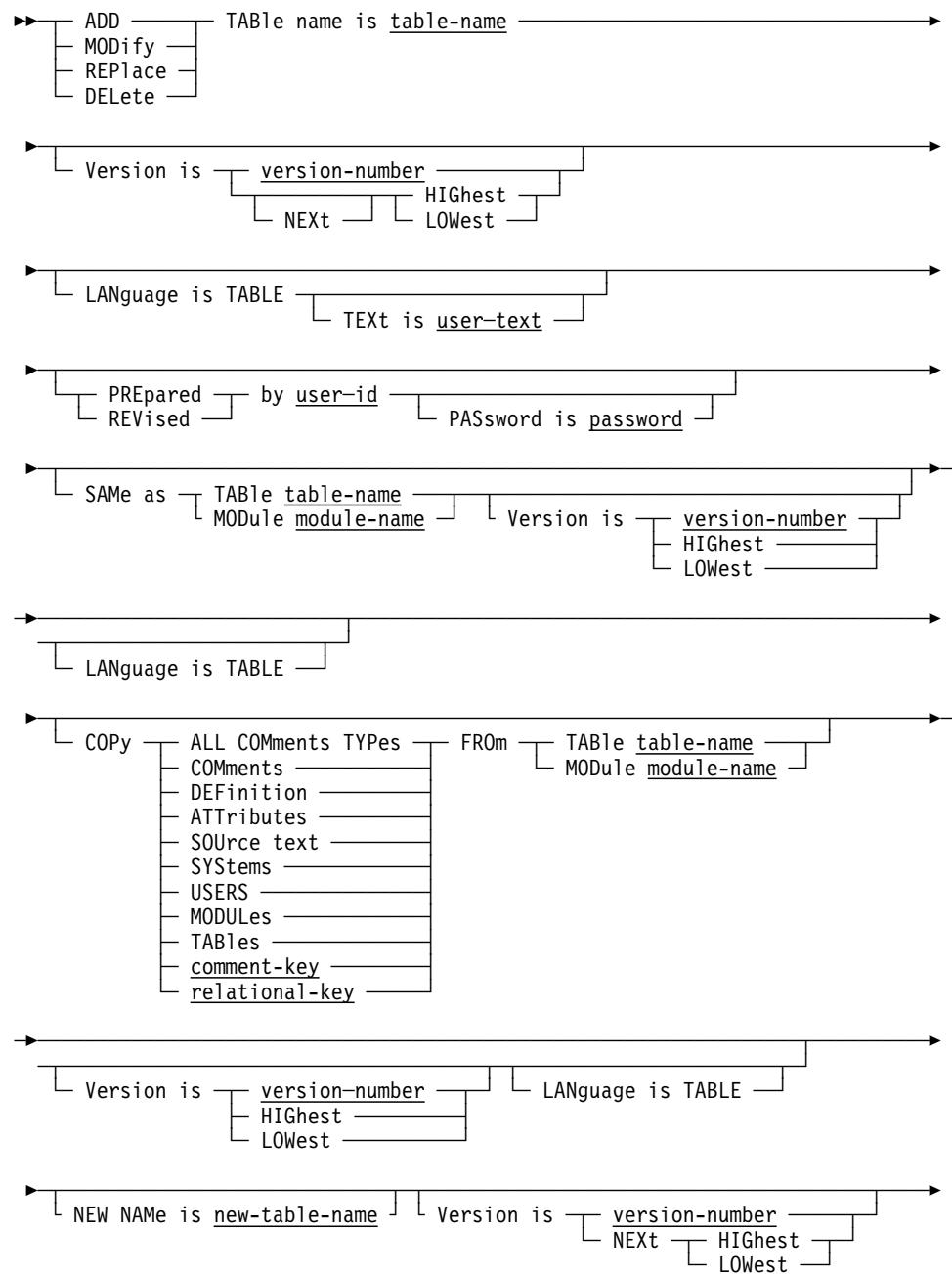


**DISPLAY/PUNCH SYSTEM (SUBSYSTEM) Statement (for a single system)**



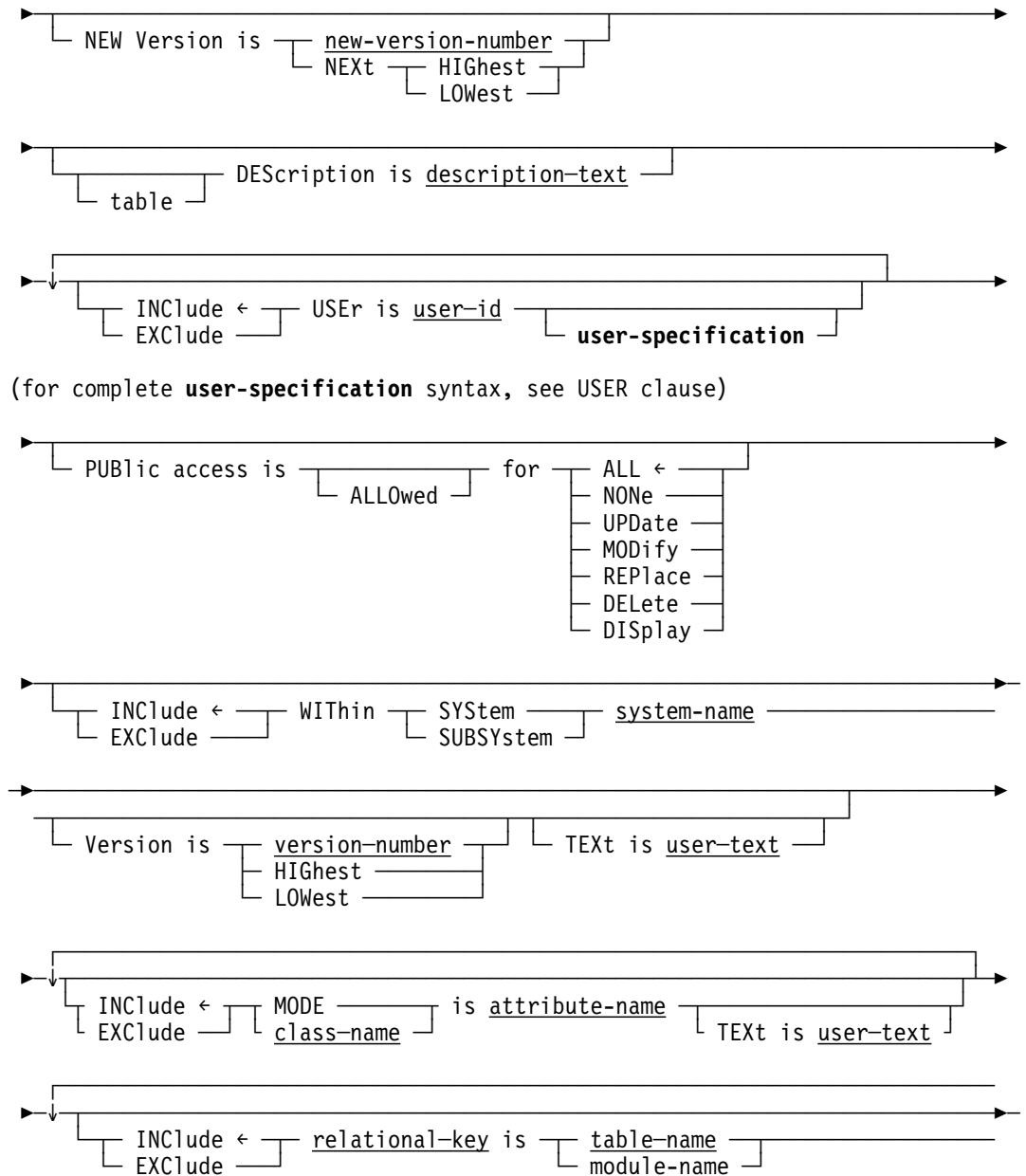
**DISPLAY/PUNCH SYSTEM (SUBSYSTEM) Statement (for multiple systems)**

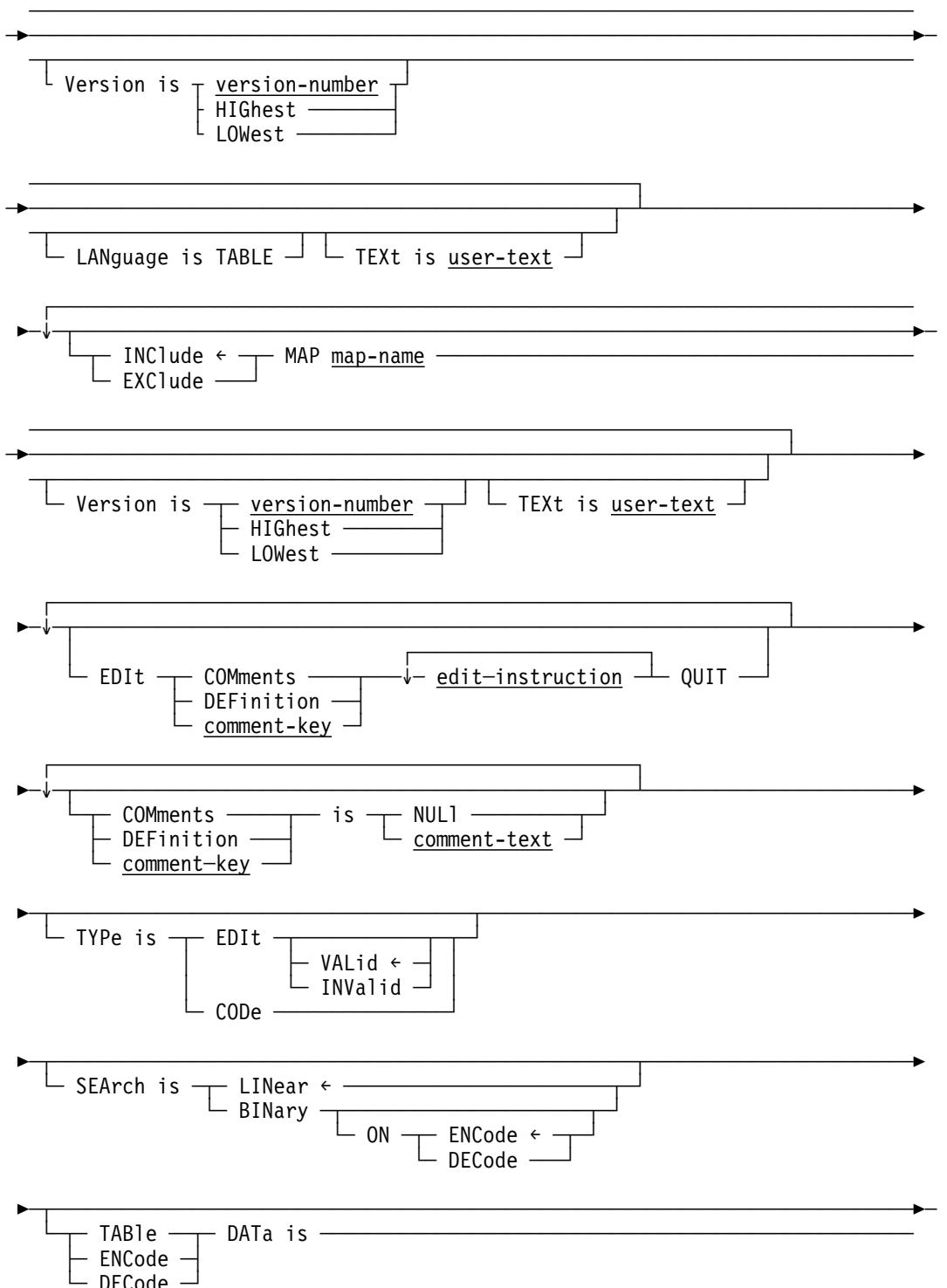
## 3.24 TABLE



### 3.24 TABLE

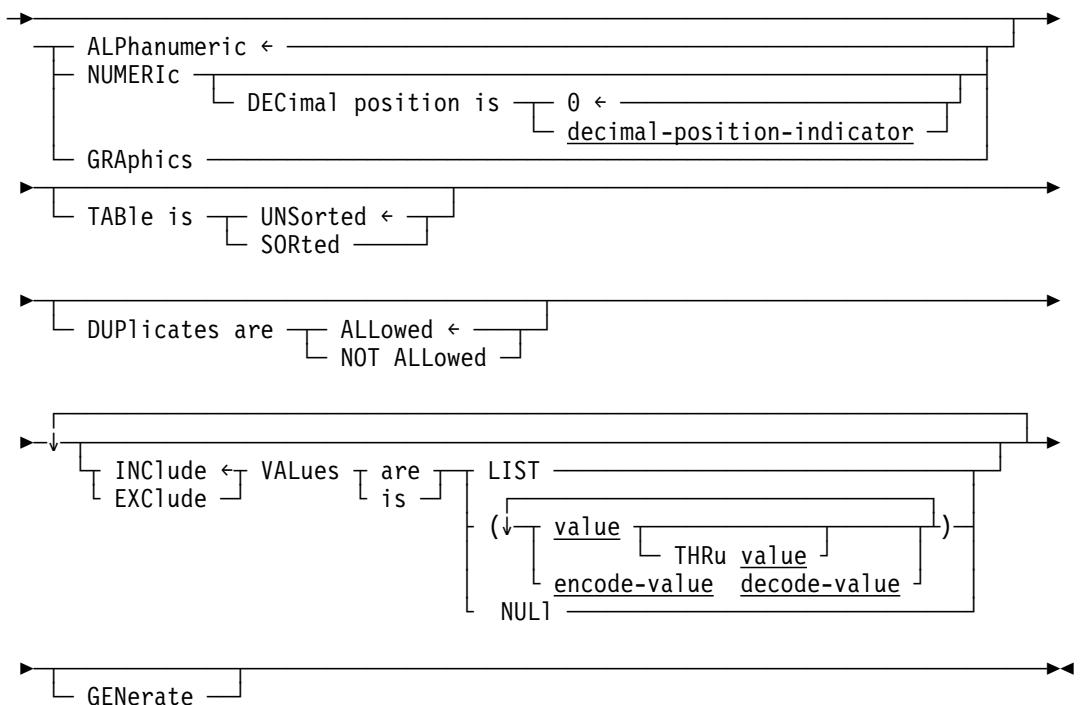
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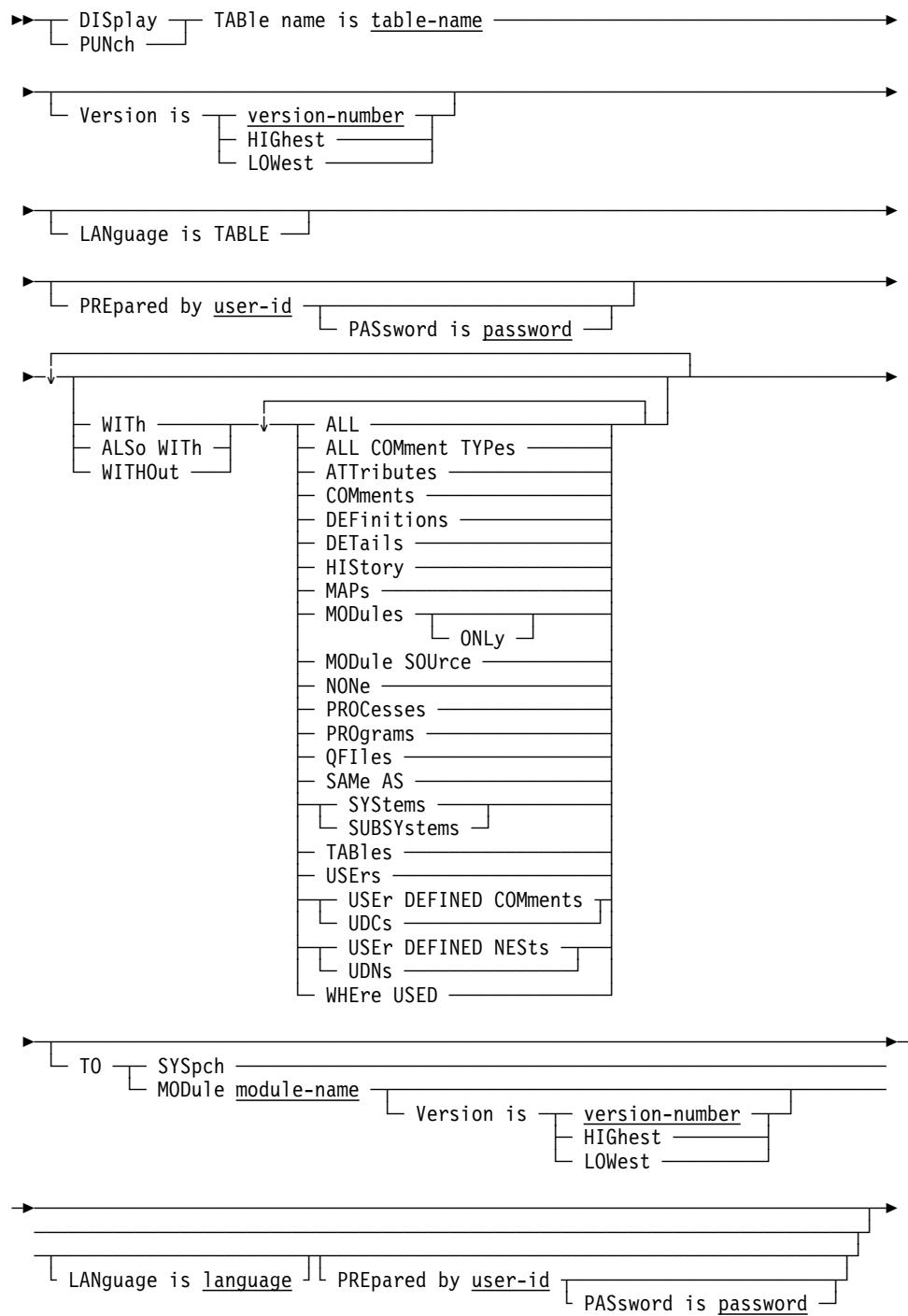


### 3.24 TABLE

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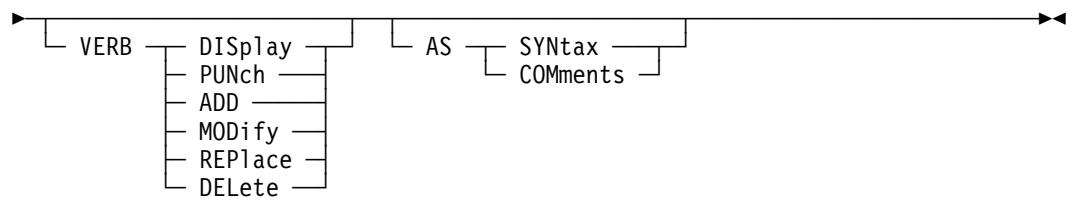


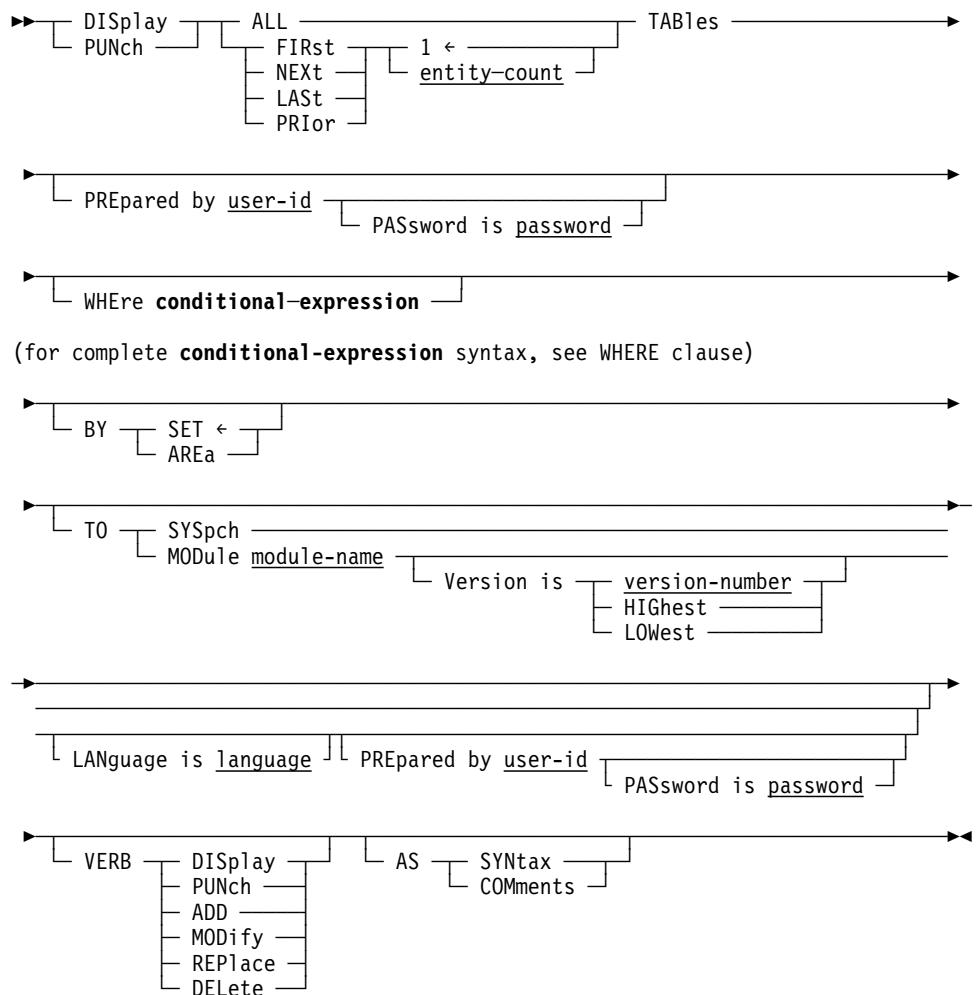
## **DISPLAY/PUNCH TABLE Statement (for a single table)**



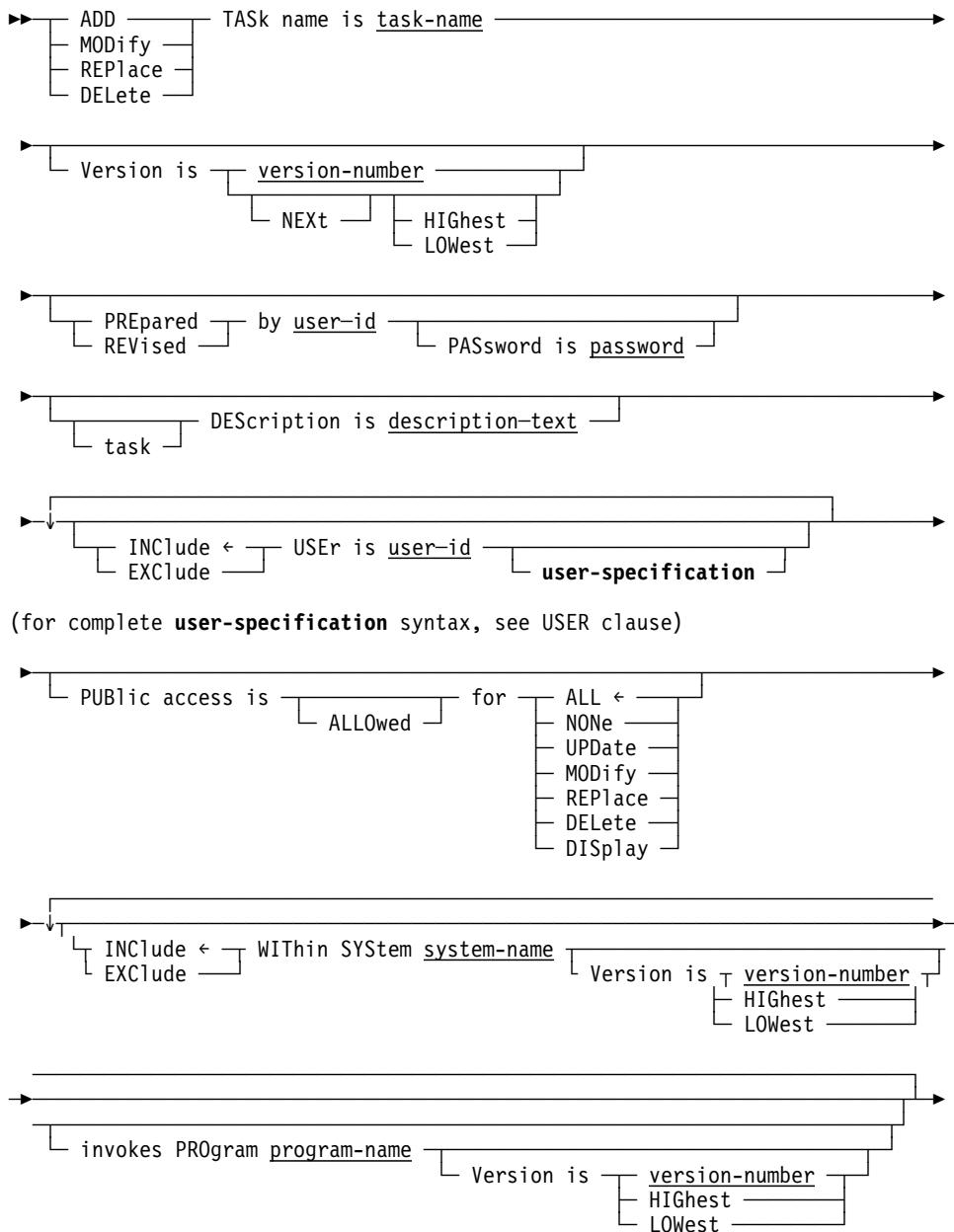
3.24 TABLE

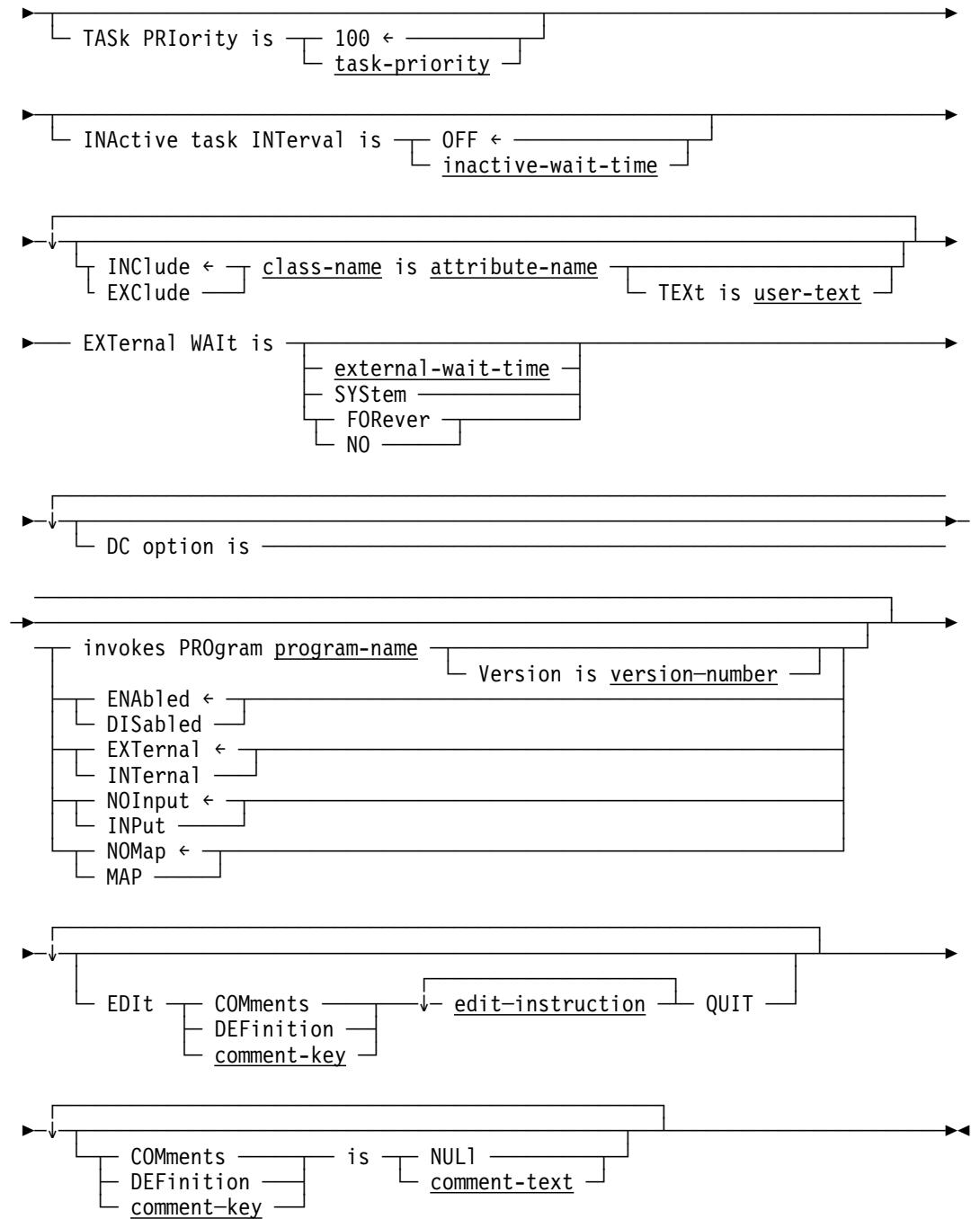
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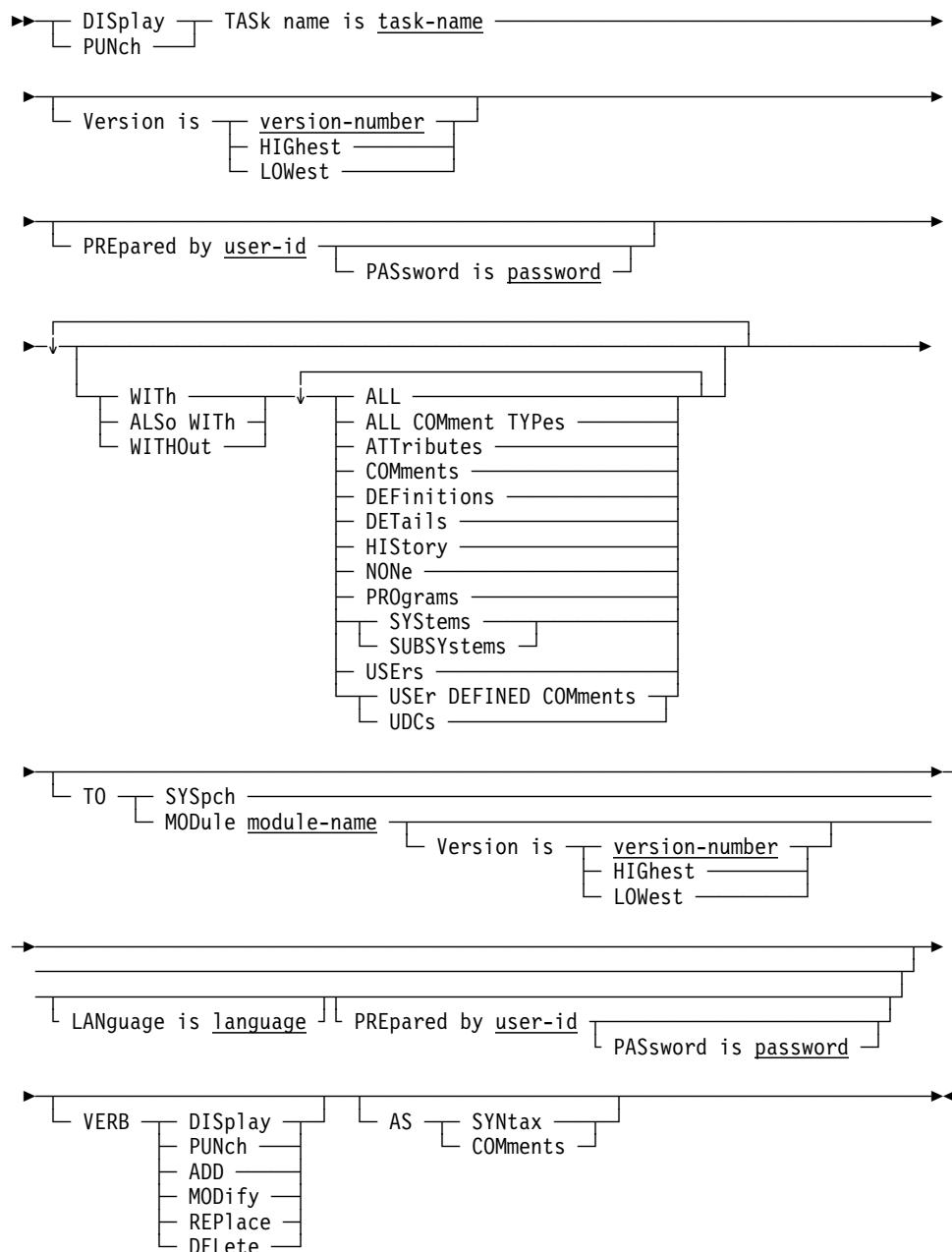


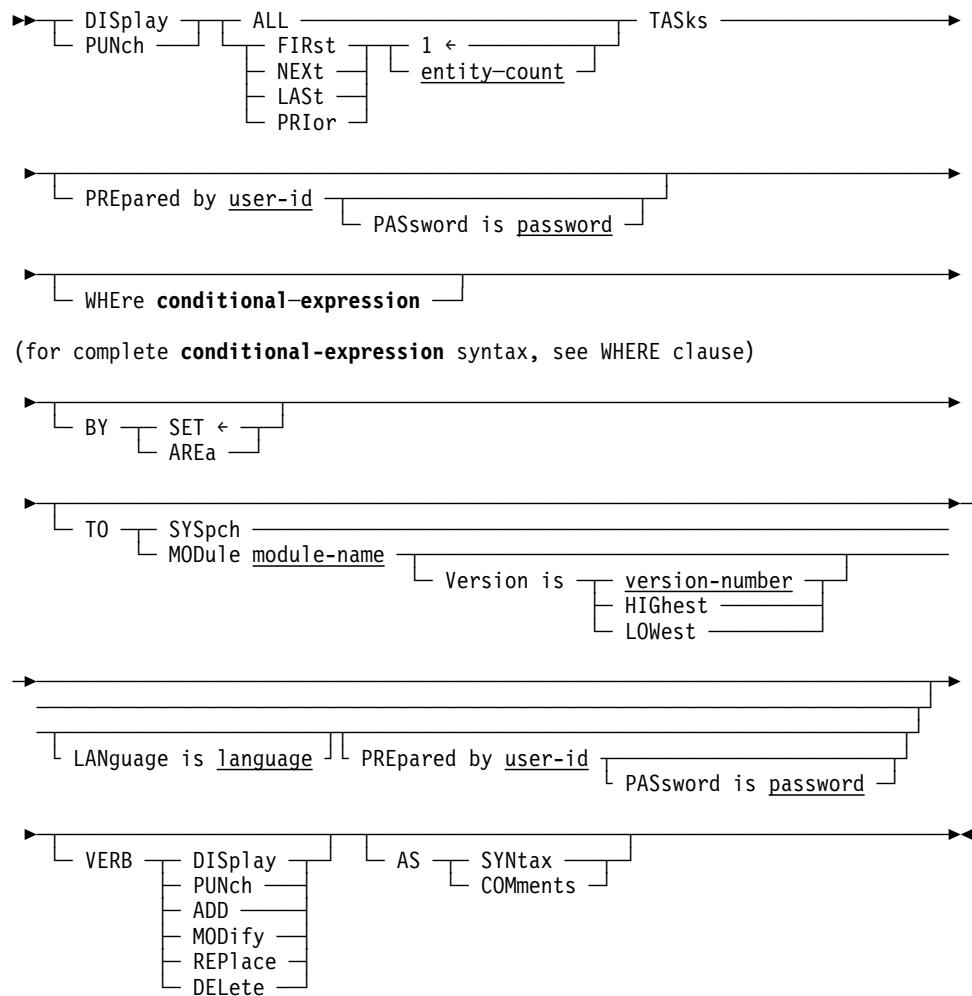
**DISPLAY/PUNCH TABLE Statement (for multiple tables)**

## **3.25 TASK**

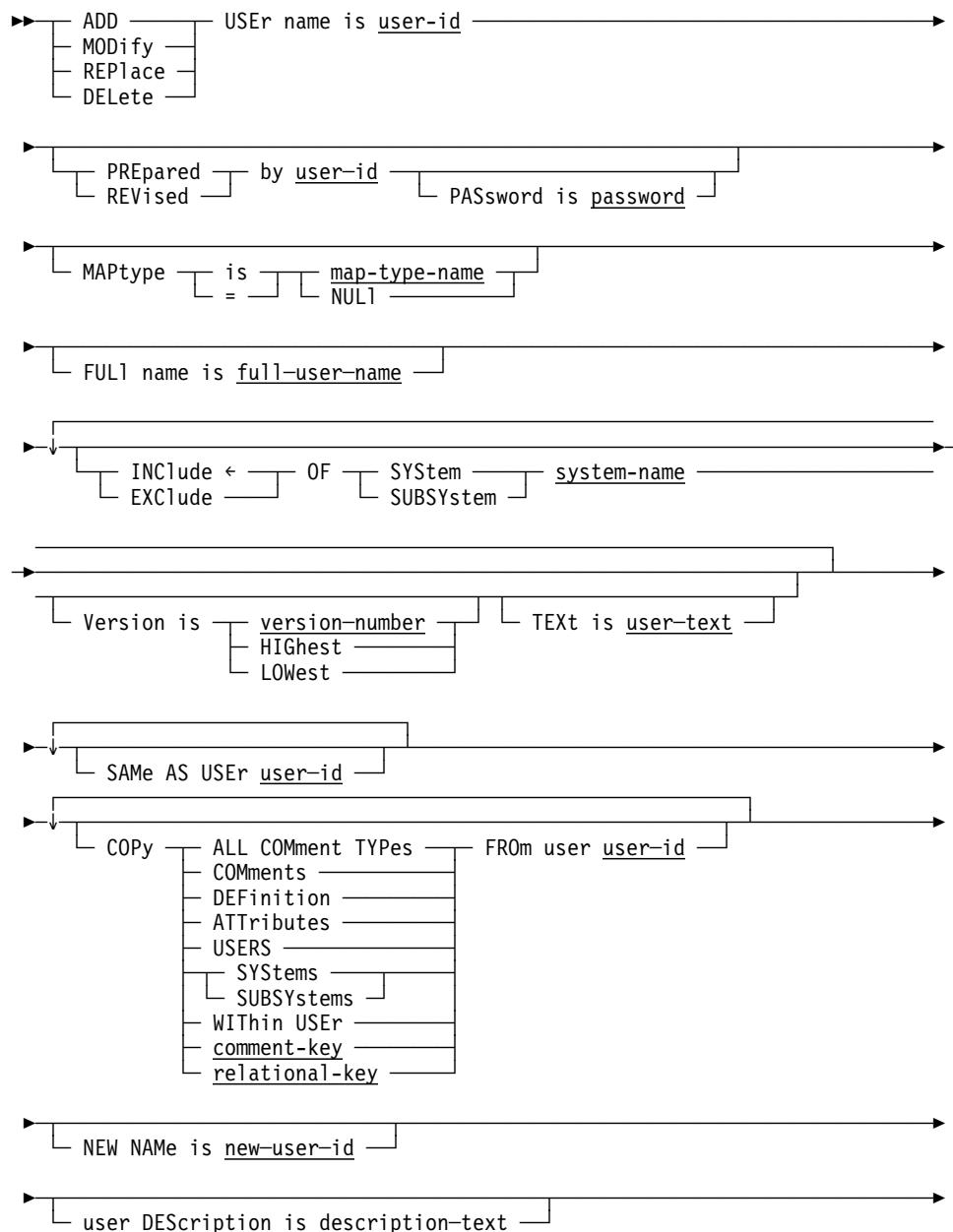


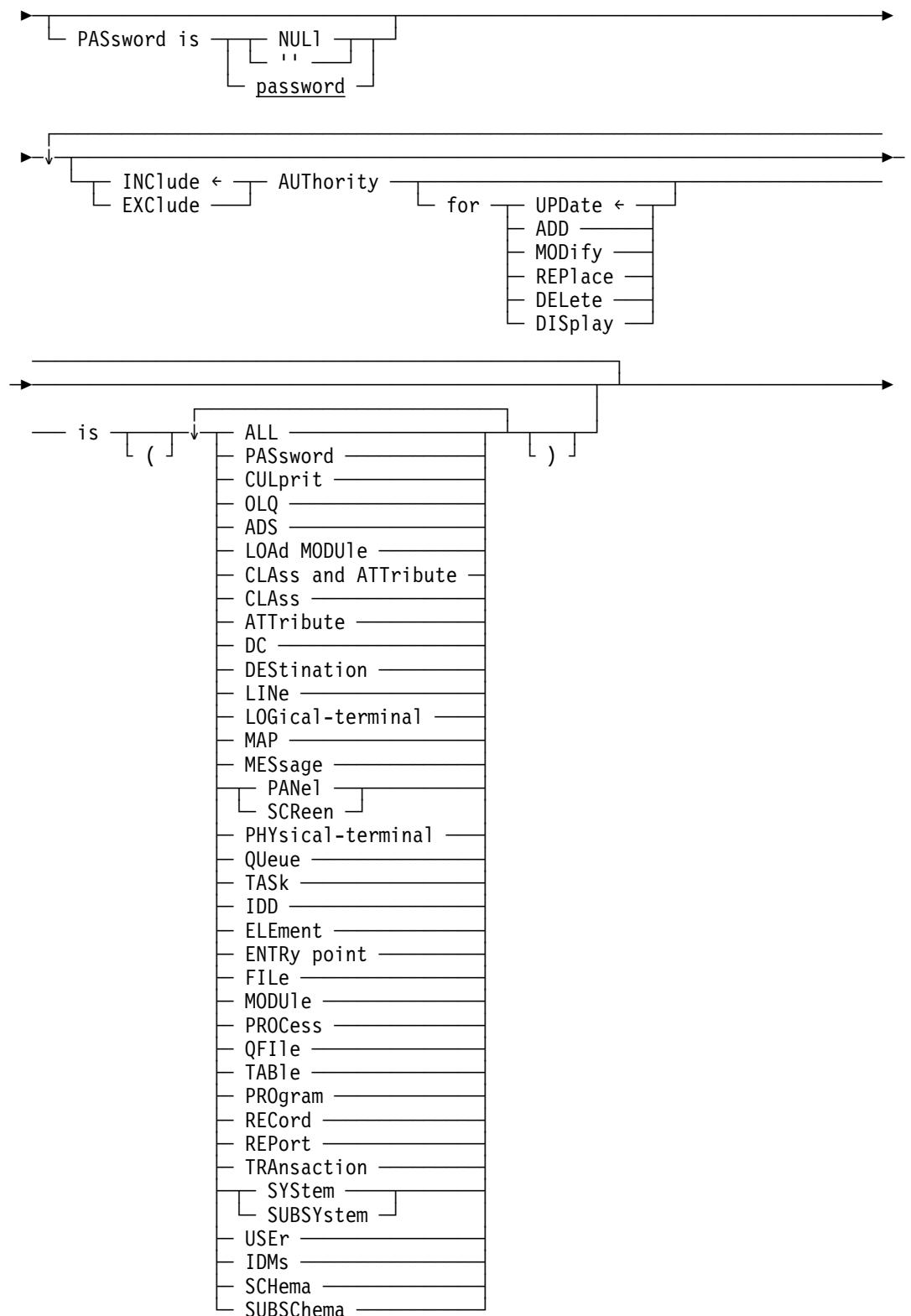


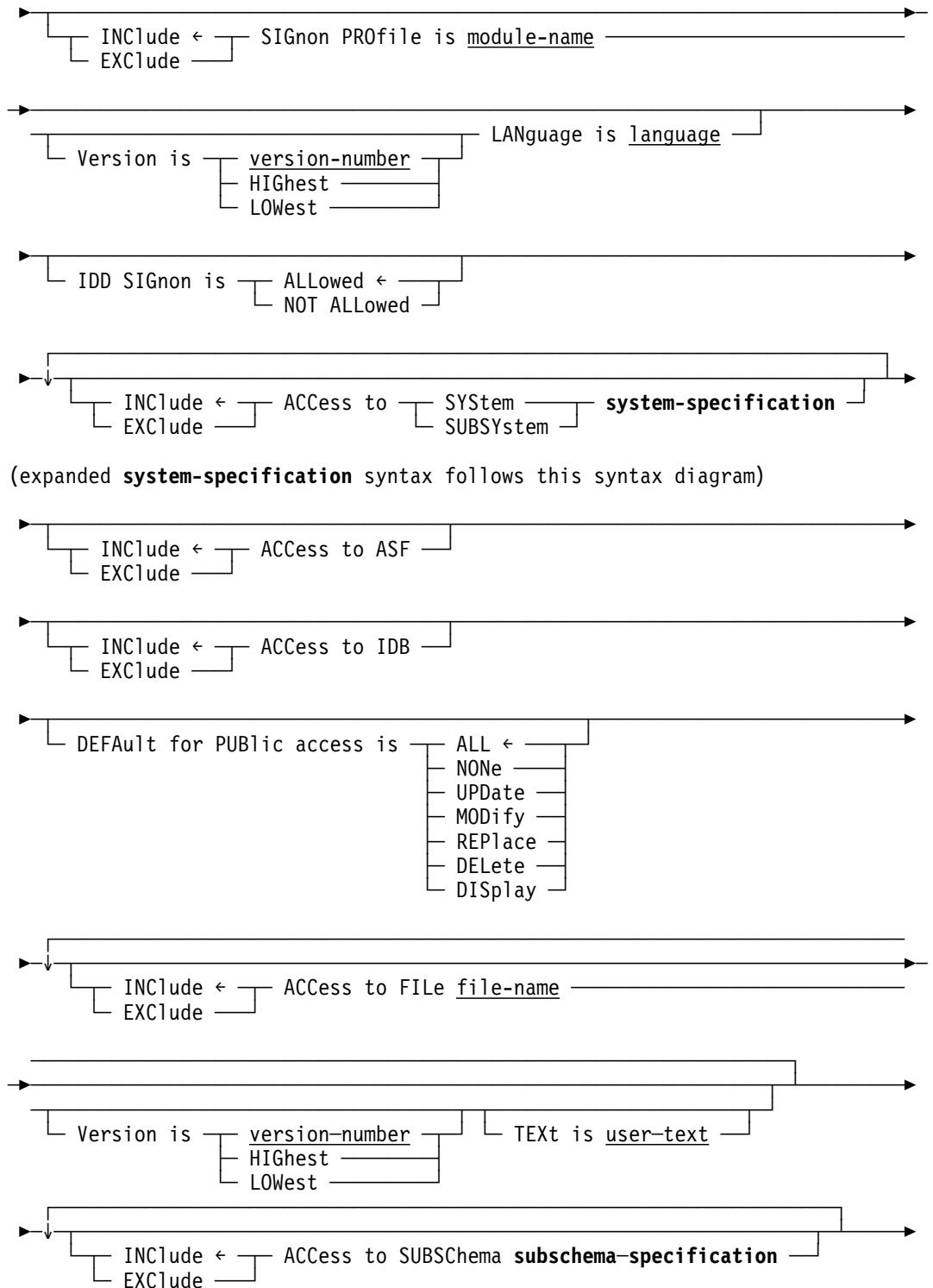
**DISPLAY/PUNCH TASK Statement (for a single task)****DISPLAY/PUNCH TASK Statement (for multiple tasks)**



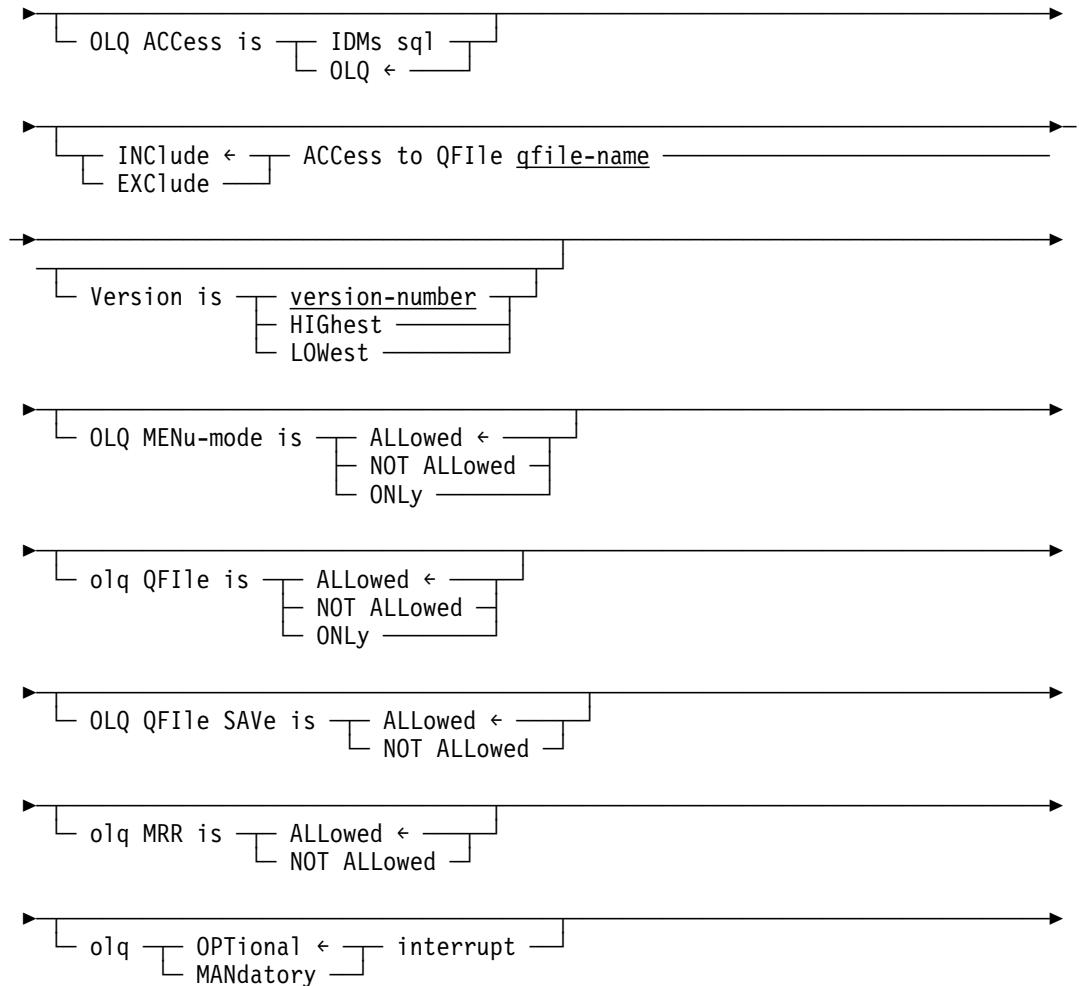
## 3.26 USER

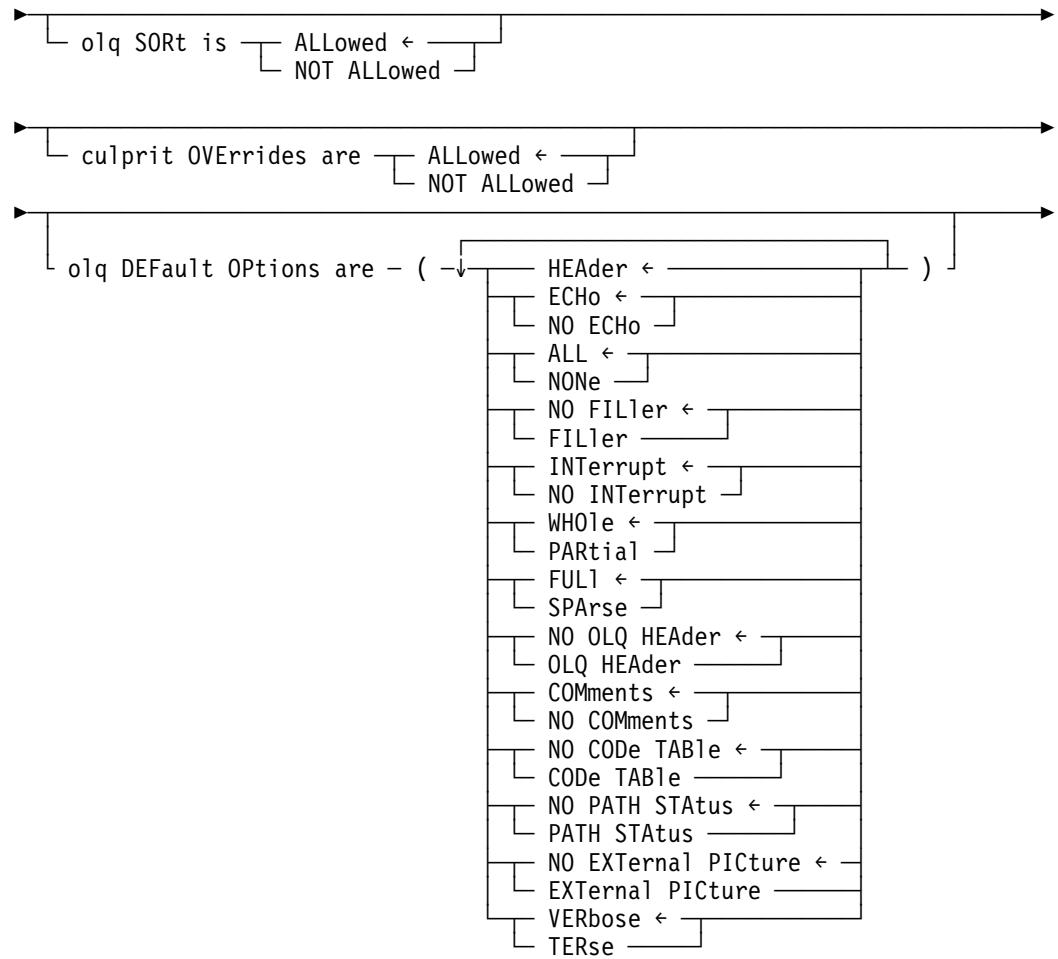


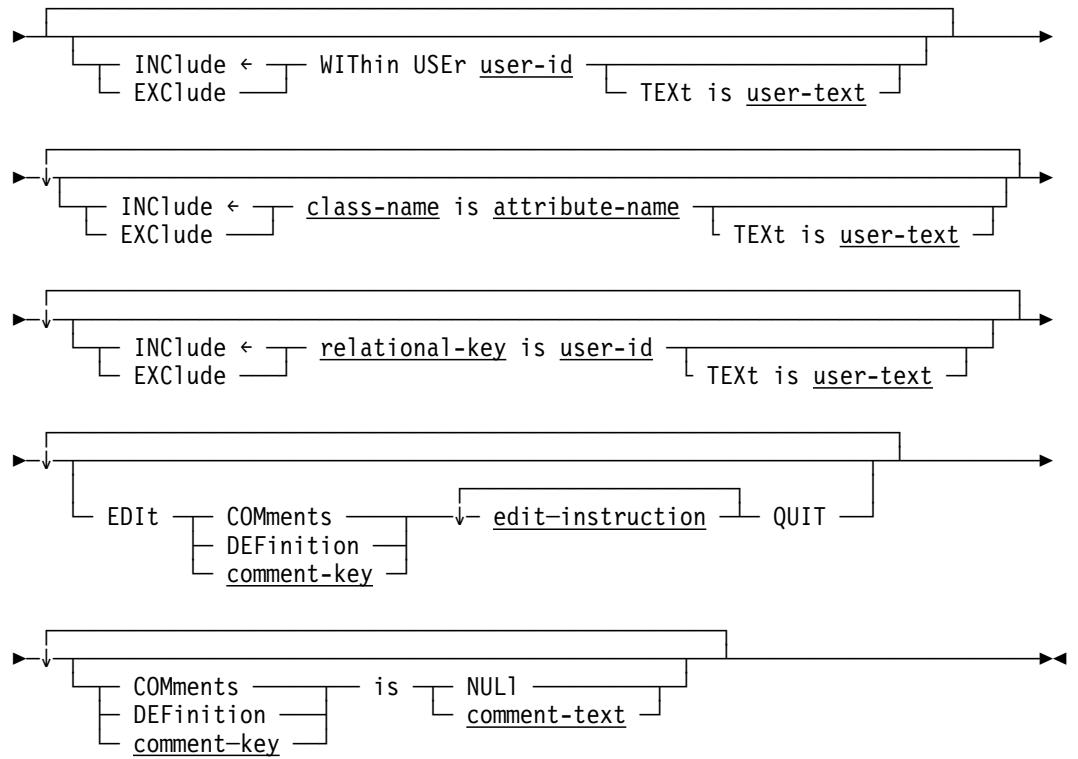
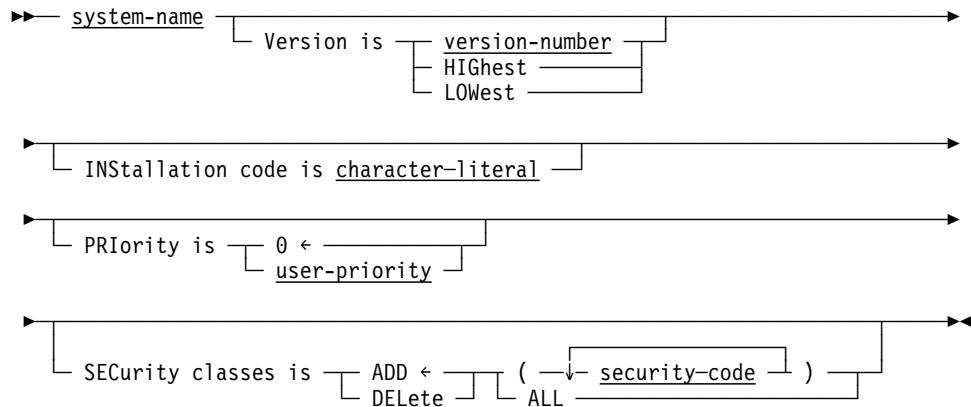


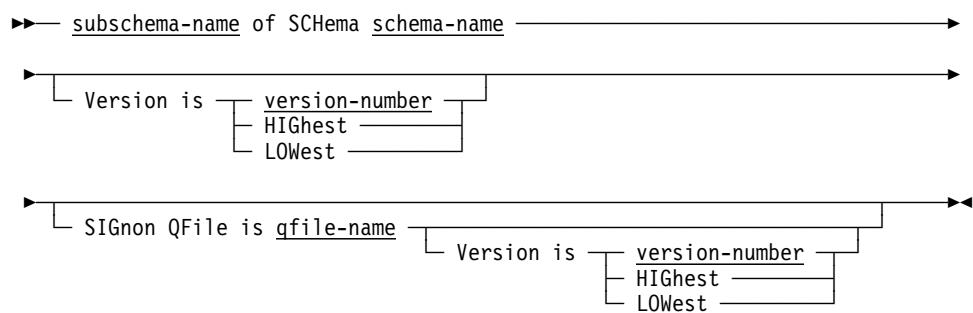


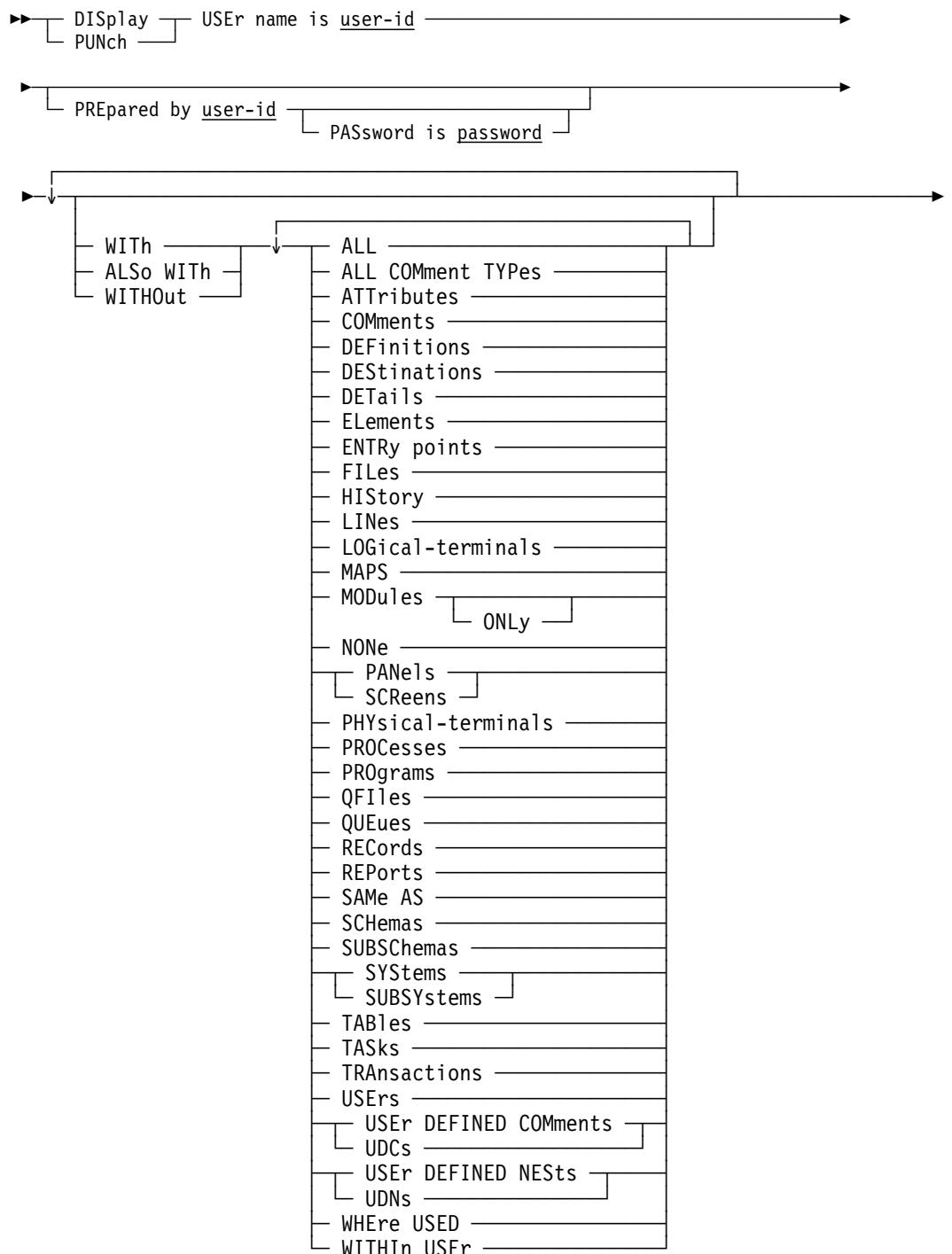
(expanded **subschema-specification** syntax follows this syntax diagram)

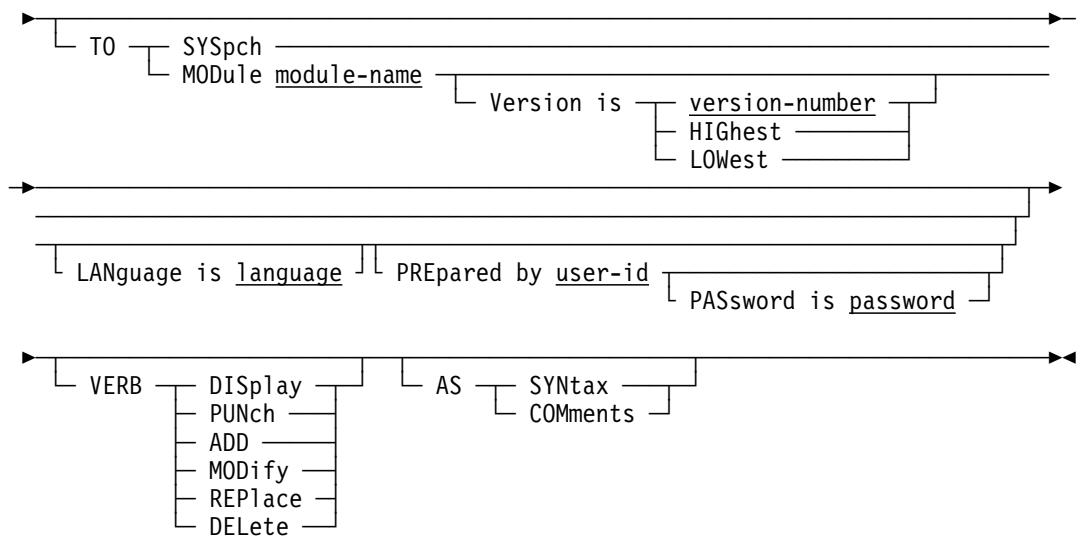




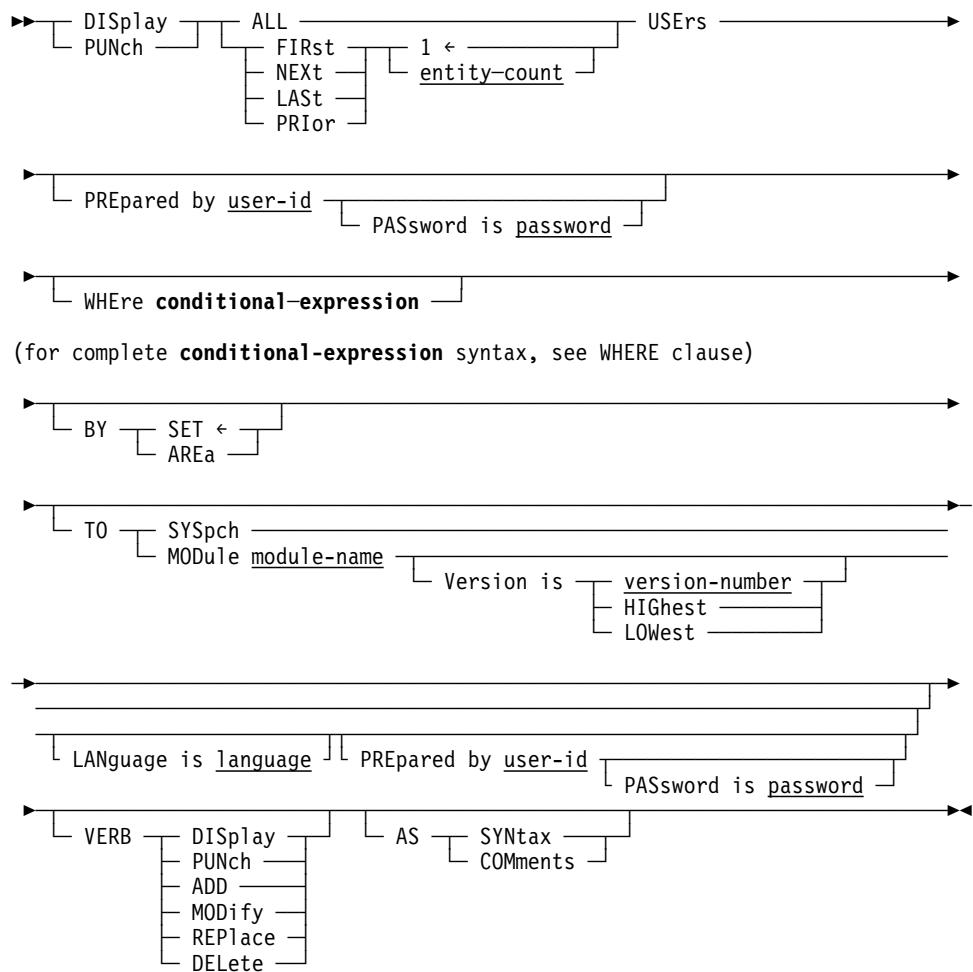
**Expansion of System-Specification**

**Expansion of Subschema Specification**

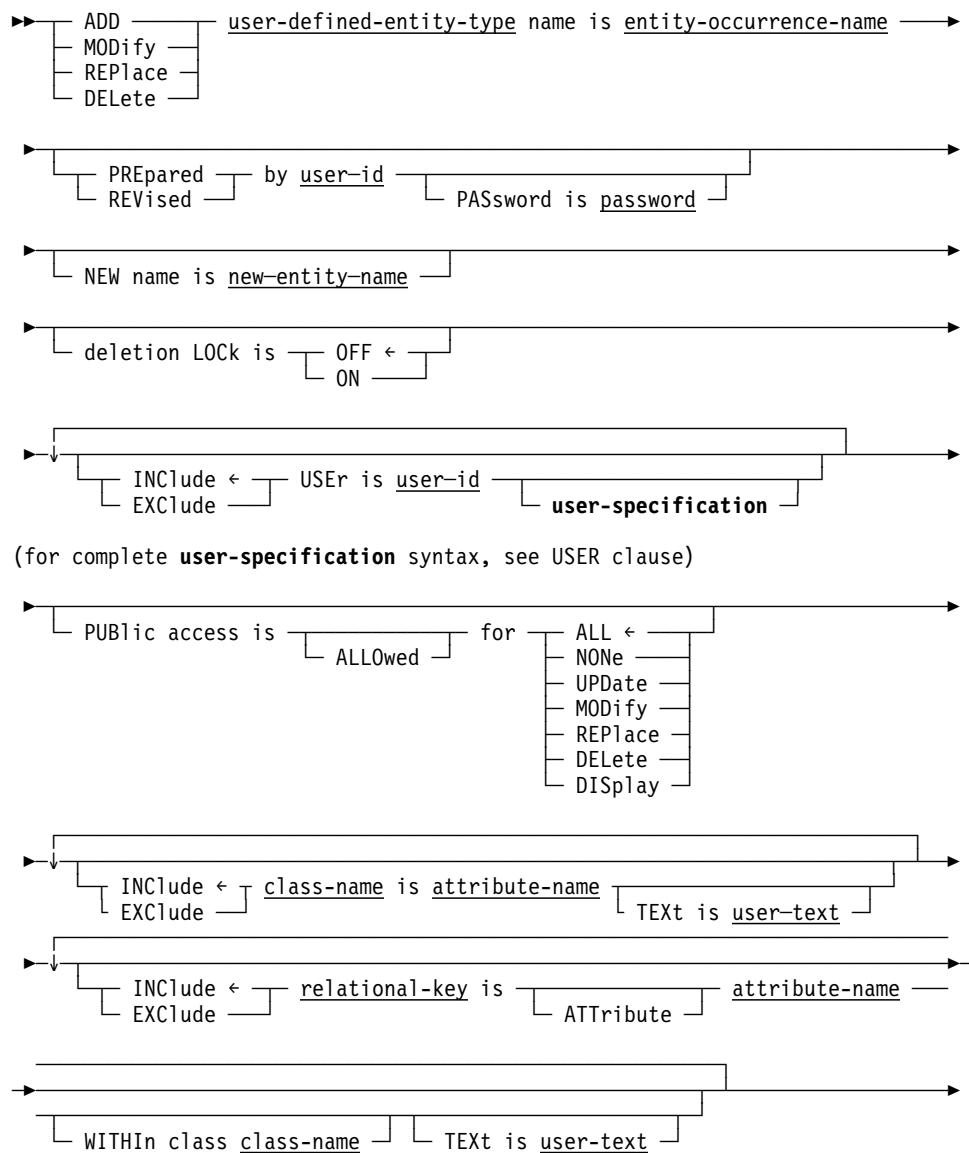
**DISPLAY/PUNCH USER Statement (for a single user)**

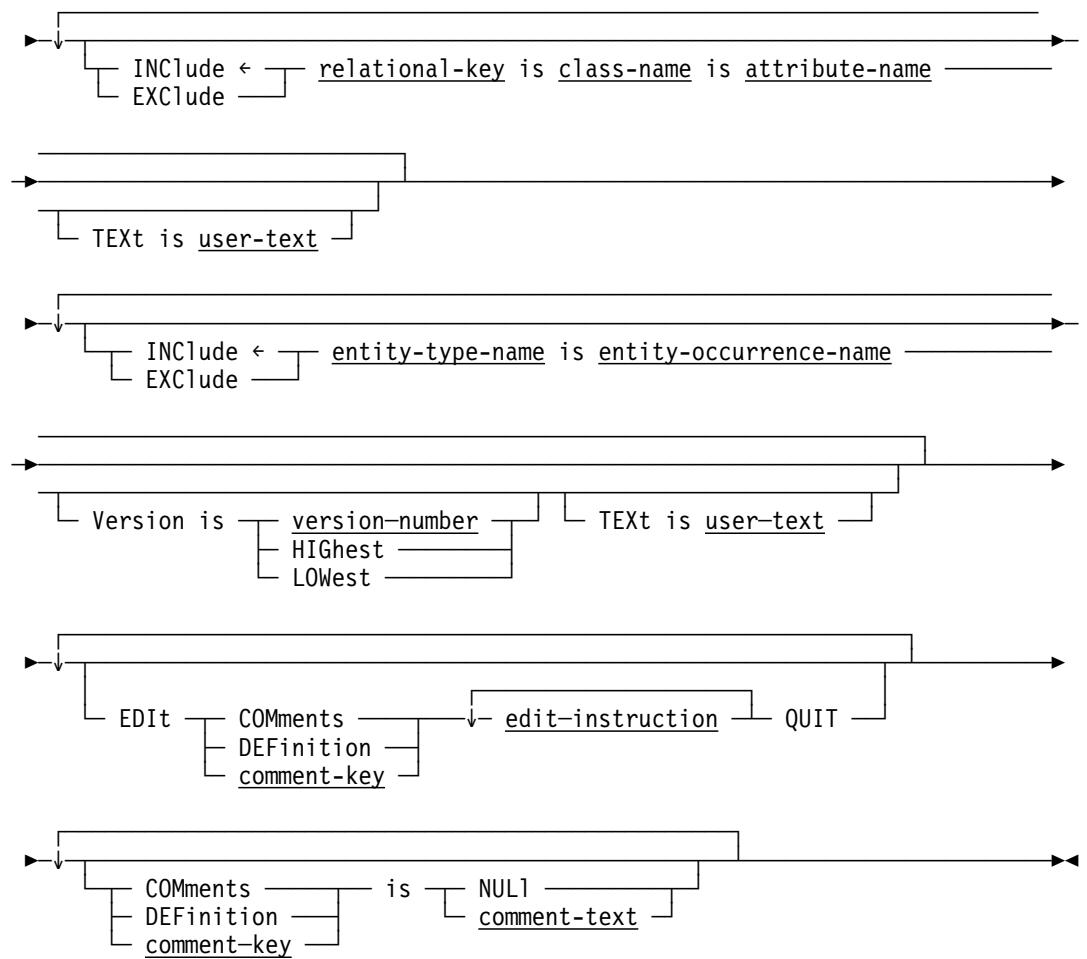


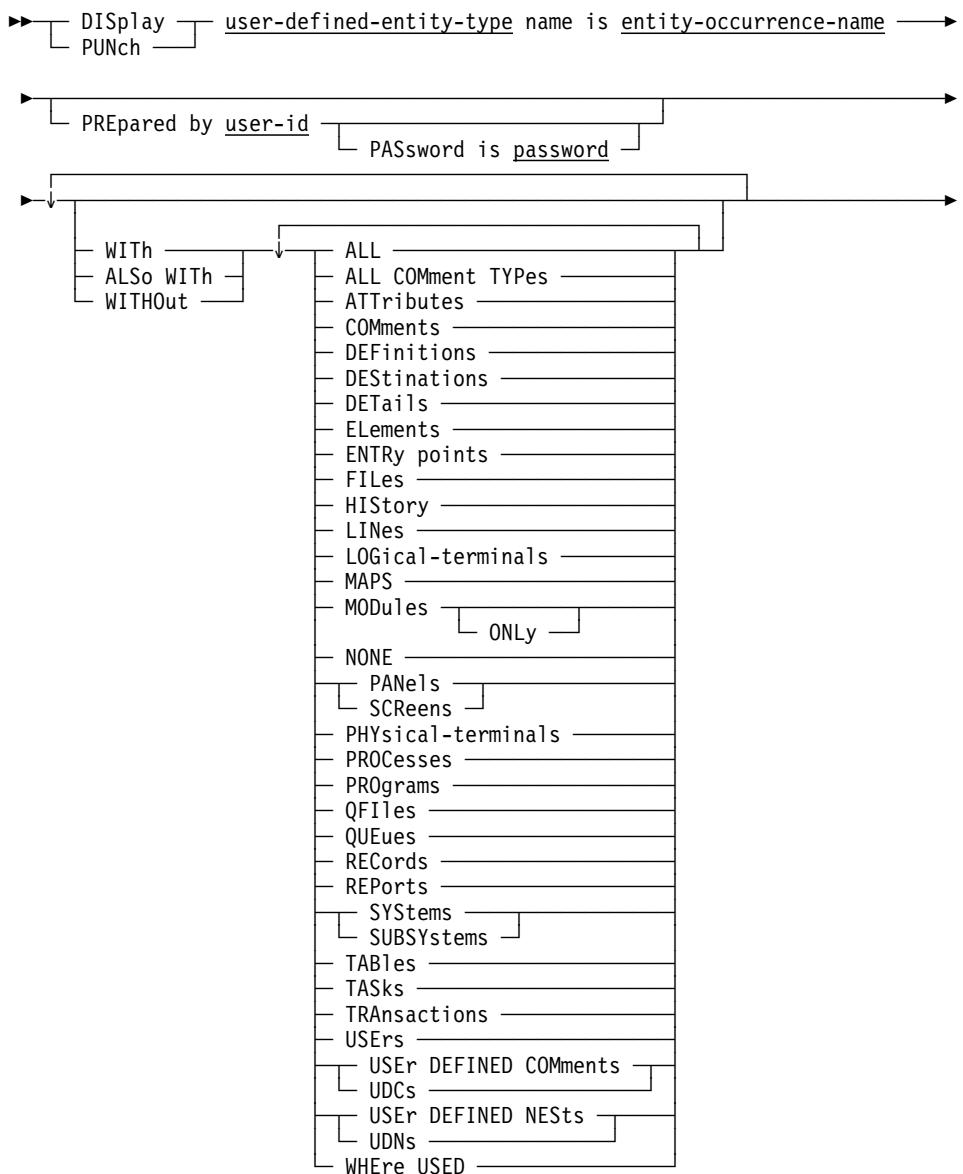
## **DISPLAY/PUNCH USER Statement (for multiple users)**

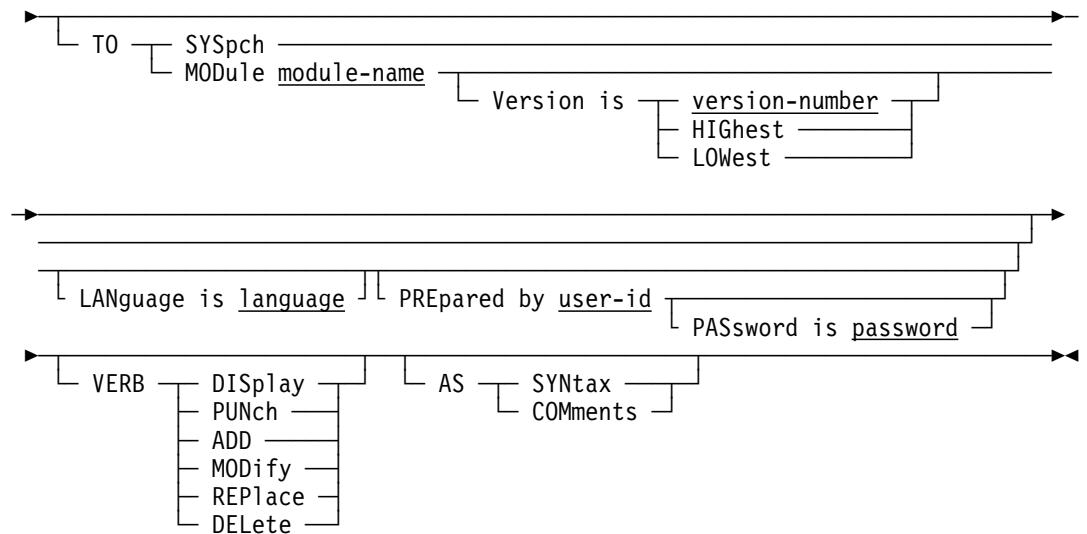


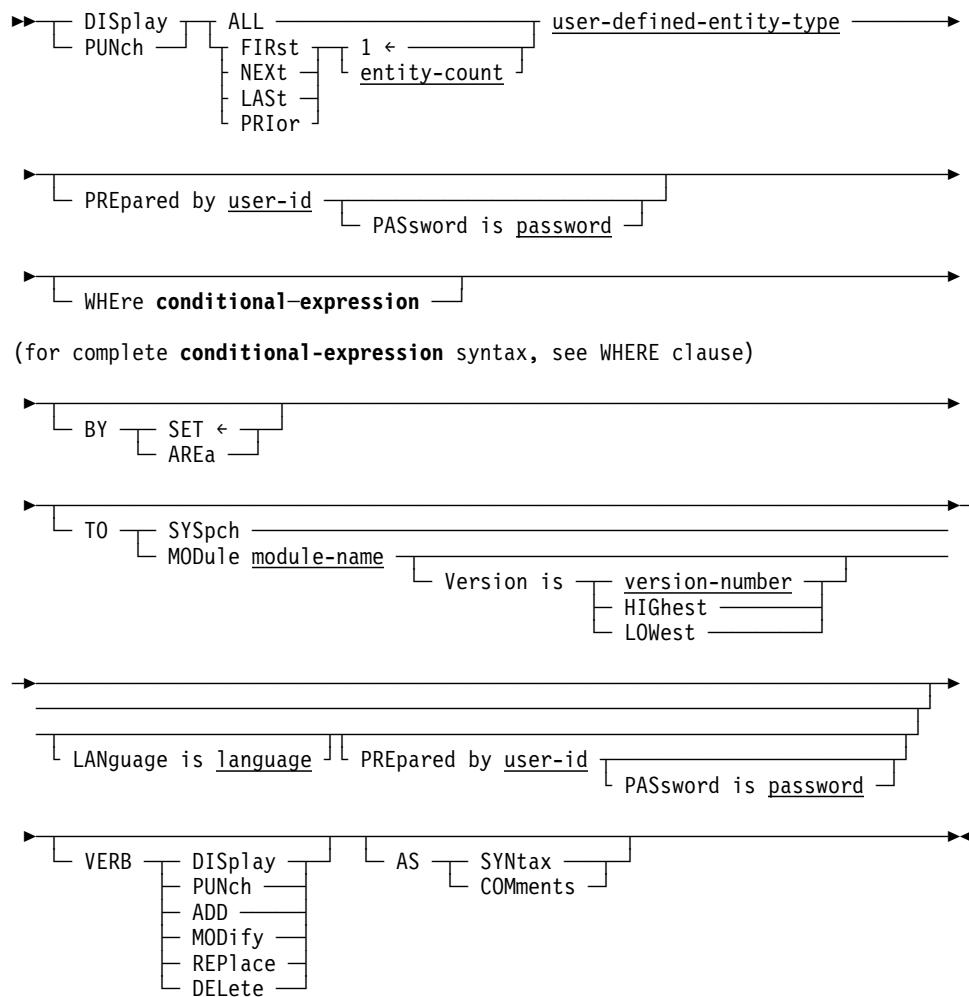
## 3.27 USER-DEFINED ENTITY





**DISPLAY/PUNCH USER-DEFINED ENTITY Statement (for a single entity)**



**DISPLAY/PUNCH USER-DEFINED ENTITY Statement (for multiple entities)**

## Chapter 4. HELP Statement Syntax

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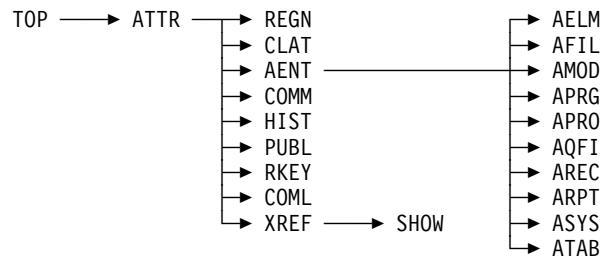
►— HELP [DC] message-id —►



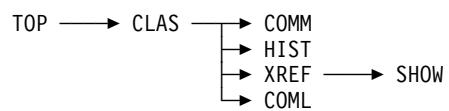
## **Chapter 5. IDD Menu Facility**

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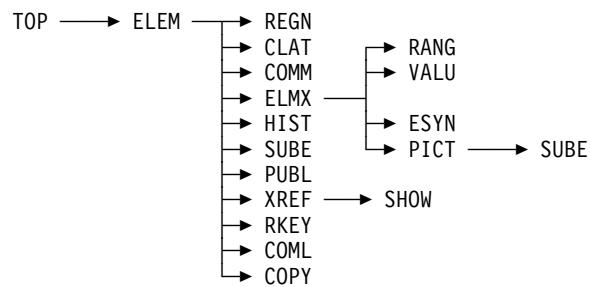
## 5.1 ATTRIBUTE Entity Screens



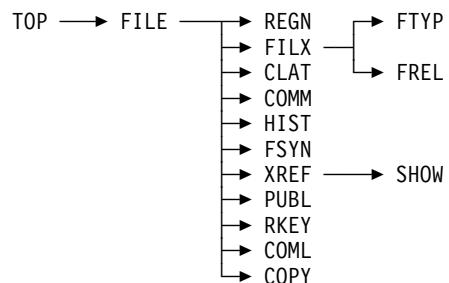
## 5.2 CLASS Entity Screens



## 5.3 ELEMENT Entity Screens



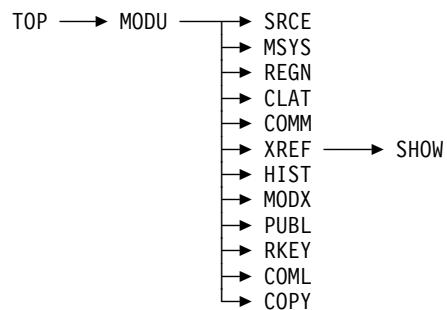
## 5.4 FILE Entity Screens



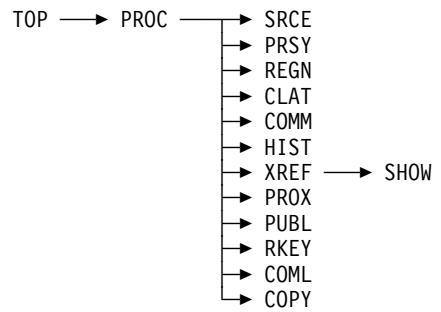
## 5.5 MESSAGE Entity Screens



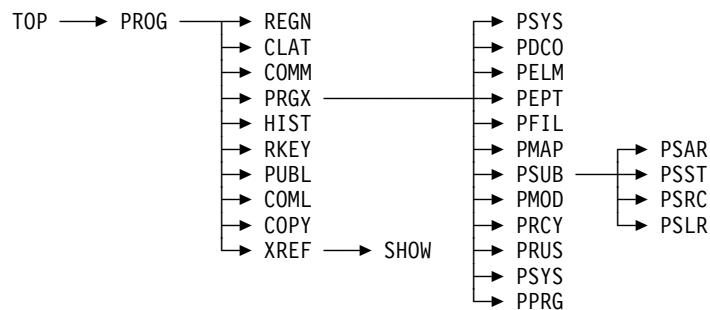
## 5.6 MODULE Entity Screens



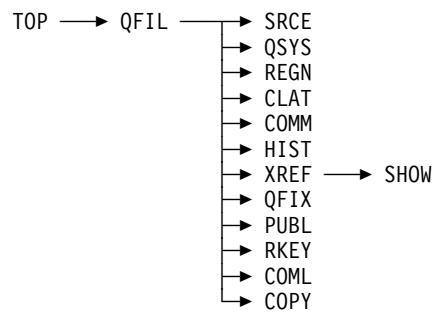
## 5.7 PROCESS Entity Screens



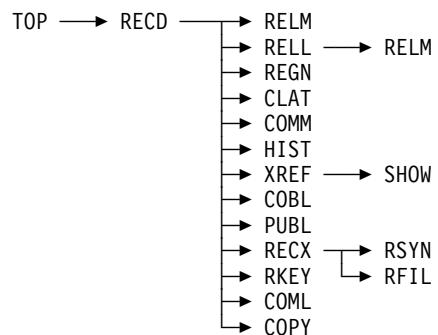
## 5.8 PROGRAM Entity Screens



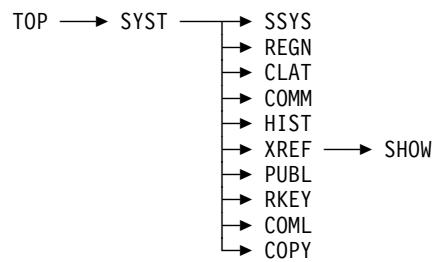
## 5.9 QFILE Entity Screens



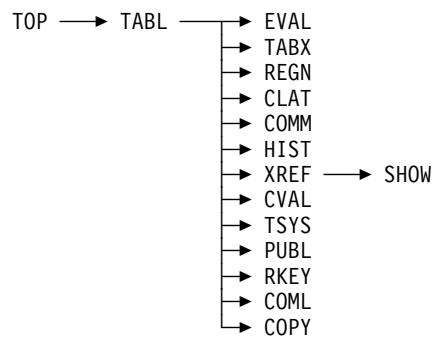
## 5.10 RECORD Entity Screens



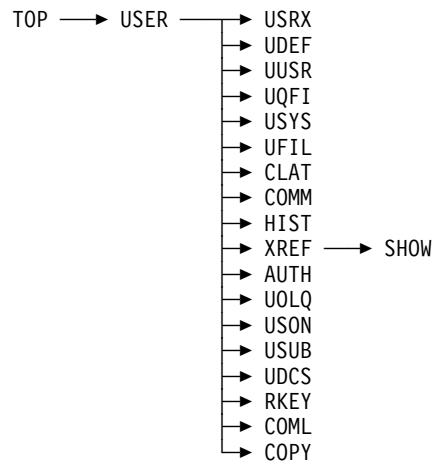
## 5.11 SYSTEM Entity Screens



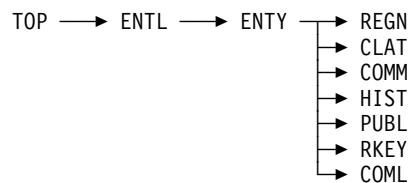
## 5.12 TABLE Entity Screens



## 5.13 USER Entity Screens



## 5.14 USER-DEFINED Entity Screens





## Chapter 6. Dictionary Standard Reports

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		Report Type			
Report Title	Detail	Key	Summary	Cross Reference	Special Purpose
Attribute	02	72			
Attribute/Element		39			
Attribute/Record		38			
Class	01	71			
Comment/Nest Resolution				00	
Destination	13	83	63		
Element	09	79	59		
Element Description			24		
Element Designator			25		
Element Synonym			23		
Element/Program			30		
File	07	77	57		
File Activity			26		
File Synonym			21		
File/Record			20		
CA-IDMS/DB Area Activity			29		
CA-IDMS/DB Record Activity			28		
CA-IDMS/DB Set Activity			27		
Inactive Element	10				
Level Number				50	
Line	16	86	66		
Logical Terminal	14	84	64		
Map	18	88	68		
Module	06	76	56		

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		Report Type			
Report Title	Detail	Key	Summary	Cross Reference	Special Purpose
Module Text to Card Utility			51		
Module Text to Output File Utility			52		
Panel	17	87	67		
Physical Terminal	15	85	65		
Program	05	75	55		
Queue	12	82	62		
Record	08	78	58		
Record Synonym			22		
System	03	73	53		
Task	11	81	61		
User	04	74	54		
User Defined Entity	19	89			



