

INTRODUCTION

With current release of ADOT CADD STANDARDS further steps have been taken to increase uniformity in design concept presentation and to streamline the task of design file creation. Since the whole standard book as well as several items in the cell libraries have been redefined, the current edition invalidates all standard data (book, cell libraries) released or printed prior to MAY-15-1990.

New set of standards consists of five volumes:

- SPECIFICATIONS general specifications, master index
- GRAPHICS VOL 1 general graphic symbols, mapping, index
- GRAPHICS VOL 2 right of way, highway plans, index
- GRAPHICS VOL 3 structures section symbols, index
- GRAPHICS VOL 4 traffic operations, traffic studies, index

Internal organization of every volume basically follows the same pattern: volume contents (general), volume or section specific specifications, list of graphic items (sequential order), graphic items definitions, index. In multisection volumes such as vol. 2 and vol. 4, features 2, 3 and 4 re-occur in each section listed.

Logical grouping of the graphic items vary from volume to volume ; graph. vol. 1 items are grouped by level and by type within each level, the other volumes' graphic items are grouped by type and by level if applicable.

All volumes should be considered as the integral parts of one entity and should never be used separately as standalone, self-sufficient documents. All graphic and non-graphic items defined in the section specific volumes supersede on item by item basis all corresponding items from GRAPHICS VOL. 1 and SPECIFICATIONS volume in case when project is done in or for specific ADOT section. If the desired item or specification is not defined in the applicable section specific volume corresponding item from GRAPHICS VOL. 1 or SPECIFICATIONS volume should be used. Consultants under contract with ADOT should check with specific section for project special requirements and up to date specifications before the project work begins.

Master index contains alphabetically sorted references to all graphic items defined in any of the volumes and each item has up to four entries with first word of the item description different for each entry. In addition to master index each volume has its own volume index for faster and more efficient searches. First digit of the page number refers to the volume number (0-MMM.mm SPECIFICATIONS, 1-MMM.mm GRAPHICS VOL. 1 etc...), LIBRARY - parent cell library name for given item, CELL - cell name (none in not a cell item).

Several cell libraries support the graphics defined in the STANDARDS and these libraries are distributed by ADOT CADD SYSTEM SERVICES according to the cadd data acceptance and release rules stated in SPECIFICATIONS volume. CADD STANDARDS books and updates are distributed by ADOT ENGINEERING RECORDS either over the counter or through the mailing lists of registered users.

revision date 01-01-90

CADD DATA ACCEPTANCE AND RELEASE RULES

All CADD data submitted to or released from ADOT shall be in full compliance with following specifications:

FORMAT

The data shall be in standard InterGraph format, free of corrupted elements, with InterGraph type 9 headers (.dgn files) or type 5 headers (.cel files) and valid end of file markers. ADOT will not accept or release data in any other format, e.g. SIF, IGES, DXF, et cetera... If the data is created on a system other than InterGraph, it shall be the responsibility of the submitter to translate data to InterGraph IGDS format.

FILE PARAMETERS

Working units and global origin shall conform to the specifications defined in the ADOT CADD STANDARDS (General or sections specifications) unless explicitly requested otherwise by ADOT.

GRAPHICS

Graphic parameters such as level, color, weight, line code, text size, font, et cetera... shall conform to the specifications defined in the ADOT CADD STANDARDS. Unless explicitly requested otherwise by ADOT the standard InterGraph line styles (line codes) shall not be modified in any other way than patterning (cells placed end to end along a line). All necessary cells and fonts are provided by ADOT in cell and font libraries to insure full conformity with ADOT CADD STANDARDS.

Unless explicitly requested otherwise by ADOT all graphic files shall be self-contained (file must stand on its own) All relevant graphics from external [reference] files must be copied into master design file and then reference files must be detached. Reference file attachment shall be performed using upper case characters on a command line. File extension and logical name shall be present in the reference file specification.

The design file shall contain no more than one plan sheet or map per file.

The file name and date the sheet was plotted shall appear in the lower left corner of the plan sheet (refer to the TIME cell or plan sheet cells for location and graphic definitions).

CADD DATA ACCEPTANCE AND RELEASE RULES - cont.

DISTRIBUTION

The basic means for CADD data transportation shall be standard 1/2", 9 track reel to reel computer tape with density of 1600 [800,6250] BPI (bytes per inch). Data shall be placed on tape using VAX/VMS BACKUP command.

Optionally the 1.2 Mb high density 5.25 inch MS/DOS formatted floppy diskettes can be used but following restrictions shall be applied:

- file must be small enough to fit entirely on one floppy
- data shall be placed on floppy using MS/DOS COPY command
- compression utilities (such as PCTOOLS) or MS/DOS BACKUP command shall not be used
- maximum of 10 floppies of data per project shall be used

Data not complying with the above mentioned restrictions shall be placed on standard magnetic tape only (refer to the tape specification).

The media for the data shall be provided by the requestor.

There will be a 100 US dollar charge for each megabyte of data requested unless the requestor is under contract with ADOT.

No guarantee accompanies ADOT CADD data other than the fact that released data is usable on VAX based InterGraph workstations at ADOT.

GENERAL SPECIFICATIONS

All sections' specific specifications supersede following GENERAL SPECIFICATIONS on item by item basis. Section specific and GENERAL SPECIFICATIONS complement each other and none of them should be considered as self-sufficient separate set of CADD specifications.

FILE PARAMETERS

- file organization: sequential
- file headers: InterGraph type 9 (graphic file)
InterGraph type 5 (cell library)
- graphic items: all valid InterGraph elements
- InterGraph end of file marker

WORKING UNITS

Working Area	4294967 FT
Subunits/Master Unit	10
Positional Units/Subunit	100

GLOBAL ORIGIN

The global origin shall be set in the precise center of the design plane [cube (3-D)] unless explicitly requested otherwise by ADOT.

Suggested procedure

The best and always precise setup of the global origin in the center of the design plane [cube (3-D)] can be accomplished by setting GOXUOR, GOYUOR [,GOZUOR (3-D)] TCB variables equal to 0 (zero) and writing them into type 9 (design file header).









Following example user command will set up global origin in the precise center of the design plane, regardless of working units setup, if executed while in graphics.









```
;gocen.ucm
;
SET    GOXUOR=0
SET    GOYUOR=0
SET    GOZUOR=0      ;if 3D file
CMD    FILDGN        ;save in type 9 header
END
```

revision date 01-01-90

CADD STANDARDS

GENERAL SPECIFICATIONS

LEROY	WT	LINE WEIGHT DEFINITIONS
000	0	
00	1	
0	2	
1	3	
2	4	
2.5	5	
3	6	
4	7	

LC	LINE CODE DEFINITIONS
0	
1	
2	
3	
4	
5	
6	
7	

revision date 01-01-90

GENERAL SPECIFICATIONS

TEXT

The following general text parameters shall be used on all sheets at scale 1"=100' unless:

- specified otherwise in the sections' specifications
- specified otherwise in the item's standard definition
- preset within a cell
- explicitly requested otherwise by ADOT

For the sheets at different scale TX and LS values shall be modified accordingly to insure text size consistency.

FT=23 (proportional, general text)
FT=24 (nonproportional, tabularized text)
TX=15 (existing items) (0.1500" on full size plots)
TX=17.5 (new items) (0.1750" on full size plots)
LS=7.5 (existing items) (0.0750" on full size plots)
LS=8.75 (new items) (0.0875" on full size plots)
WT=2 (existing items)
WT=4 (new items)
LC=0 (all)
CO=LV (color shall be numerically equal to the level on which text is placed; for correct values refer to ADOT CADD STANDARDS SPECIFICATIONS - LEVELS)

The following text sizes for special items such as headers et cetera... shall be used on all sheets unless explicitly requested otherwise by ADOT.

full size	scale 1:100	Leroy
0.26 "	TX=26	290
0.22 "	TX=22	240
0.175"	TX=17.5	200
0.15 "	TX=15	175
0.10 "	TX=10	100

Only fonts (graphic definitions of characters and font numbers) from ADOT font library shall be used. For fonts definitions refer to ADOT CADD STANDARDS - FONTS.

Following fonts constitute the ADOT font library:

Font 1 vertical proportional - general text,headers,titles
Font 7 old english - special headers,titles,nontechnical
Font 9 vertical nonproportional - tabularized text,general
Font 23 slanted proportional - general slanted text
Font 24 slanted nonproportional - tabularized slanted text
Font 30 swiss bold - details,traffic signs,special headers
Font 42 outline proportional - special graphics
Font 126 symbol font - special symbols,(automatic dimens.)
Font 127 fast font - slashed zero required in text

revision date 01-01-90

GENERAL SPECIFICATIONS

LEVEL [COLOR] DESIGNATIONS

Unless explicitly specified otherwise by ADOT color shall be numerically equal to the level of the graphic item (CO=LV). Displayed colors depend on the color definitions in the color tables and can be defined to suit individual needs.

LEVEL 01
grid ticks, line terminators

LEVEL 02
spot elevations, photo and primary control points

LEVEL 03
section corners, quarter corners, range lines, center of section,
photogrammetry text

LEVEL 04
monuments, boundaries: city, county, state, park, forest, reservation

LEVEL 05
exst. index contour lines and text

LEVEL 06
exst. intermediate contour lines

LEVEL 07
exst. vegetation and text

LEVEL 08
mapping symbols: water items and text

LEVEL 09
exst. man-made topography: buildings, noise walls, billboards, foundations,
driveways, sidewalks, cattle guards, pump houses, etc...

LEVEL 10
text for level 09 items

LEVEL 11
exst. utilities, railroads, standpipes, wells

LEVEL 12
text for level 11 items

revision date 01-01-90

GENERAL SPECIFICATIONS

LEVEL [COLOR] DESIGNATIONS - cont.

LEVEL 13

exst. minor drainage items: catch basins, manholes, storm drains, sanitary sewers, ditches, dikes, canals, dams, gabions, headwalls, berms, pipes, end sections, downdrains, spillways, aprons, pipe outlets, riprap, bank protection

LEVEL 14

text for level 13 (exst. minor drainage items)

text for level 22 (exst. major drainage items)

LEVEL 15

exst. easement and permit lines, text

LEVEL 16

exst. edges of roadways, gore paving, grader roads, turnouts

LEVEL 17

exst traffic items: x-walks, roadway stripping, signal and light poles, all signs and delineation

LEVEL 18

text for level 17 items

LEVEL 19

road names, text for level 16 items

LEVEL 20

exst. roadway centerlines with tick marks

LEVEL 21

exst. roadway centerline items: bearings, stationing, equations, curve data, id for: PC, PI, PT

LEVEL 22

exst. major drainage items: bridges, box culverts, retaining walls, major channels, structural plate pipes, tunnels

LEVEL 23

exst. channelization items: curbs, guardrails, impact attenuators, concrete barriers (median and half), barricades, chain link cable barriers

LEVEL 24

text for level 23 items

revision date 01-01-90

GENERAL SPECIFICATIONS

LEVEL [COLOR] DESIGNATIONS - cont.

LEVEL 25

north arrow, milepost markers, roadway dimensions, match lines and other miscellaneous items

LEVEL 26

all miscellaneous centerlines: survey, office, etc. miscellaneous centerline items: bearings, stationing, equations, curve data, id for: PC, PI, PT location services: all new centerlines and cl items

LEVEL 27

new construction cl with tick marks, cl stationing

LEVEL 28

new construction centerline items: bearings, curve data, equations, id for: PC, PI, PT

LEVEL 29

exst. fences, right of way markers and lines

LEVEL 30

new fences, right of way markers and lines

LEVEL 31

exst. access control

LEVEL 32

new access control

LEVEL 33

no designation

LEVEL 34

no designation

LEVEL 35

new edges of pavement, turnouts, grader roads, saw cuts

LEVEL 36

text for level 35 items

LEVEL 37

new intermediate and index contour lines, new cut and fill lines

revision date 01-01-90

GENERAL SPECIFICATIONS

LEVEL [COLOR] DESIGNATIONS - cont.

LEVEL 38

new minor drainage items: catch basins, manholes, storm drains, sanitary sewers, ditches, dikes, canals, dams, gabions, hedwalls, end sections, berms, downdrains, spillways, pipe outlets, aprons, pipes, riprap, bank protection

LEVEL 39

text for level 38 items (new minor drainage items)

text for level 48 items (new major drainage items)

LEVEL 40

new utilities, railroads, standpipes, wells

LEVEL 41

text for level 40 items

LEVEL 42

new miscellaneous items (hazards): cattle guards, concrete barriers (median and half), impact attenuators, guardrails, barricades, block fences, chain link cable barriers, noise walls

LEVEL 43

text for level 42 items

LEVEL 44

new miscellaneous items (roadway edges), gore paving, curbs, sidewalks, driveway, roadway shoulders

LEVEL 45

text for level 44 items

LEVEL 46

new striping items (pavement marking)

LEVEL 47

text for level 46 items

LEVEL 48

new major drainage items: bridges, box culverts, tunnels, retaining walls, pump houses, major channels, structural plate pipes

LEVEL 49

new light poles

revision date 01-01-90

GENERAL SPECIFICATIONS

LEVEL [COLOR] DESIGNATIONS - cont.

LEVEL 50
new pullboxes and conduits, new drainage easement

LEVEL 51
text for level 49 and level 50 items

LEVEL 52
new signals

LEVEL 53
text for level 52 items

LEVEL 54
new signs

LEVEL 55
landscape details

LEVEL 56
text for level 55 items

LEVEL 57
irrigation details

LEVEL 58
text for level 57

LEVEL 59
all area patterning and shading

LEVEL 60
standard grid - profile sheet (1 inch)

LEVEL 61
standard grid - profile sheet (intermediate)

LEVEL 62
plan sheet text nodes

LEVEL 63
plan sheet boarder

revision date 01-01-90

CADD STANDARDS

FONTS

Contents

none	Font library special characters	0-4.01
none	Font 1 vertical proportional	0-4.02
none	Font 7 old english	0-4.03
none	Font 9 vertical nonproportional	0-4.04
none	Font 23 slanted proportional	0-4.05
none	Font 24 slanted nonproportional	0-4.06
none	Font 30 swiss bold (bit stream)	0-4.07
none	Font 42 outline proportional	0-4.08
none	Font 126 symbol font	0-4.09
none	Font 127 fast font	0-4.10

revision date 01-01-90

CADD STANDARDS

SPECIAL CHARACTERS - ADOT FONT LIBRARY

GRAPHIC DEFINITION	FONT1 KEY	FONT9 KEY	FONT23 KEY	FONT24 KEY
€	\	\	\	\
Δ	?	?	?	?
△	'	'	'	'
⊕]]]]
⊙	:	:	:	:
α	~	~	~	~
±	[[[[
f's	>		>	>
f'c	<		<	<
1/ft	\$	\$	\$	\$
1/3	{	{	{	{
1/2	!		!	!
2/3	}	}	}	}
°	^	^	^	^
μ		'		
π		<		
1/4		>		
'		!		

revision date 01-01-90

CADD STANDARDS

FONT 1

VERTICAL PROPORTIONAL (ADOT FONT LIBRARY)

ABCDE

abcde

FGHIJ

fghij

KLMNO

klmno

PQRST

pqrst

UVWXY

uvwxyz

Z1234567890

z

1/2 @ # 1/ft % ° & * () - = + :: ; ' ' f ' s f ' c , . /

$\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{1}{8}$ $\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{8}$ $\frac{1}{16}$ $\frac{3}{16}$ $\frac{5}{16}$ $\frac{7}{16}$ $\frac{9}{16}$ $\frac{11}{16}$ $\frac{13}{16}$ $\frac{15}{16}$ $\frac{1}{32}$
 $\frac{3}{32}$ $\frac{5}{32}$ $\frac{7}{32}$ $\frac{9}{32}$ $\frac{11}{32}$ $\frac{13}{32}$ $\frac{15}{32}$ $\frac{17}{32}$ $\frac{19}{32}$ $\frac{21}{32}$ $\frac{23}{32}$
 $\frac{27}{32}$ $\frac{29}{32}$ $\frac{31}{32}$ $\frac{1}{64}$ $\frac{3}{64}$ $\frac{5}{64}$ $\frac{7}{64}$ $\frac{9}{64}$ $\frac{11}{64}$ $\frac{13}{64}$ $\frac{15}{64}$
 $\frac{17}{64}$ $\frac{19}{64}$ $\frac{21}{64}$ $\frac{23}{64}$ $\frac{25}{64}$ $\frac{27}{64}$ $\frac{29}{64}$ $\frac{31}{64}$ $\frac{33}{64}$ $\frac{35}{64}$
 $\frac{37}{64}$ $\frac{39}{64}$ $\frac{41}{64}$ $\frac{43}{64}$ $\frac{45}{64}$ $\frac{47}{64}$ $\frac{49}{64}$ $\frac{51}{64}$ $\frac{53}{64}$ $\frac{55}{64}$
 $\frac{57}{64}$ $\frac{59}{64}$ $\frac{61}{64}$ $\frac{63}{64}$

MODIFICATIONS

Φ	:	(VLINE)	◁	'	(GRAVE)
±	[	(LBRACK)	α	~	(TILDE)
Δ	?	(QSTION)	°	^	(CAROT)
⊕	]	(RBRACK)	'	'	(SQUOTE)
℄	\	(BSLASH)	l		modified
$\frac{1}{3}$	{	(LBRACE)	a		modified
$\frac{2}{3}$	}	(RBRACE)	l		modified

revision date 01-01-90

CADD STANDARDS

FONT 9

VERTICAL NONPROPORTIONAL (ADOT FONT LIBRARY)

ABCDE
 FGHIJ
 KLMNO
 PQRST
 UVWXY
 Z1234567890

abcde
 fg hij
 klmno
 pqrst
 uvwxy
 z

@ # \$ % ° & * () - _ = + : ; " ' , . /

$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{1}{16}$	$\frac{3}{16}$	$\frac{5}{16}$	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{11}{16}$	$\frac{13}{16}$	$\frac{15}{16}$	$\frac{1}{32}$
$\frac{3}{32}$	$\frac{5}{32}$	$\frac{7}{32}$	$\frac{9}{32}$	$\frac{11}{32}$	$\frac{13}{32}$	$\frac{15}{32}$	$\frac{17}{32}$	$\frac{19}{32}$	$\frac{21}{32}$	$\frac{23}{32}$					
$\frac{27}{32}$	$\frac{29}{32}$	$\frac{31}{32}$	$\frac{1}{64}$	$\frac{3}{64}$	$\frac{5}{64}$	$\frac{7}{64}$	$\frac{9}{64}$	$\frac{11}{64}$	$\frac{13}{64}$	$\frac{15}{64}$					
$\frac{17}{64}$	$\frac{19}{64}$	$\frac{21}{64}$	$\frac{23}{64}$	$\frac{25}{64}$	$\frac{27}{64}$	$\frac{29}{64}$	$\frac{31}{64}$	$\frac{33}{64}$	$\frac{35}{64}$						
$\frac{37}{64}$	$\frac{39}{64}$	$\frac{41}{64}$	$\frac{43}{64}$	$\frac{45}{64}$	$\frac{47}{64}$	$\frac{49}{64}$	$\frac{51}{64}$	$\frac{53}{64}$	$\frac{55}{64}$						
$\frac{57}{64}$	$\frac{59}{64}$	$\frac{61}{64}$	$\frac{63}{64}$												

MODIFICATIONS

Φ	: (VLINE)	μ	' (GRAVE)
±	[(LBRACK)	α	~ (TILDE)
Δ	? (QSTION)	°	^ (CAROT)
Φ	] (RBRACK)	'	' (SQUOTE)
¢	\ (BSLASH)	!	! (EXCLAM)
$\frac{1}{3}$	{ (LBRACE)	l	modified
$\frac{2}{3}$	} (RBRACE)	a	modified
π	< (LT)	l	modified
$\frac{1}{4}$	> (GT)		

CADD STANDARDS

FONT 23

SLANTED PROPORTIONAL (ADOT FONT LIBRARY)

ABCDE

FGHIJ

KLMNO

PQRST

UVWXY

Z1234567890

abcde

fghij

klmno

pqrst

vwxy

z

1/2 @ # 1/ft % ° & * () - = + : ; " ' f ' s f ' c , . /

1/2 1/4 3/4 1/8 3/8 5/8 7/8 1/16 3/16 7/16 9/16 11/16 13/16 15/16 1/32
 3/32 5/32 7/32 9/32 11/32 13/32 15/32 17/32 19/32 21/32 23/32
 27/32 29/32 31/32 1/64 3/64 5/64 7/64 9/64 11/64 13/64 15/64
 17/64 19/64 21/64 23/64 25/64 27/64 29/64 31/64 33/64 35/64
 37/64 39/64 41/64 43/64 45/64 47/64 49/64 51/64 53/64 55/64
 57/64 59/64 61/64 63/64

MODIFICATIONS

∅	:	(VLINE)	◁	'	(GRAVE)
±	[	(LBRACK)	α	~	(TILDE)
Δ	?	(QSTION)	°	^	(CAROT)
⊕	]	(RBRACK)	l		modified
℄	\	(BSLASH)	∂		modified
1/3	{	(LBRACE)	l		modified
2/3	}	(RBRACE)			

revision date 01-01-90

CADD STANDARDS

FONT 24

SLANTED NONPROPORTIONAL (ADOT FONT LIBRARY)

ABCDE	a b c d e
FGHIJ	f g h i j
KLMNO	k l m n o
PQRST	p q r s t
UVWXY	u v w x y
Z1 234567890	z

@ # % & * () = + : ; " ' , . /

$1/2$	$1/4$	$3/4$	$1/8$	$3/8$	$5/8$	$7/8$	$1/16$	$3/16$	$5/16$	$7/16$	$9/16$	$11/16$	$13/16$	$15/16$	$1/32$
$3/32$	$5/32$	$7/32$	$9/32$	$11/32$	$13/32$	$15/32$	$17/32$	$19/32$	$21/32$	$23/32$					
$27/32$	$29/32$	$31/32$	$1/64$	$3/64$	$5/64$	$7/64$	$9/64$	$11/64$	$13/64$	$15/64$					
$17/64$	$19/64$	$21/64$	$23/64$	$25/64$	$27/64$	$29/64$	$31/64$	$33/64$	$35/64$						
$37/64$	$39/64$	$41/64$	$43/64$	$45/64$	$47/64$	$49/64$	$51/64$	$53/64$	$55/64$						
$57/64$	$59/64$	$61/64$	$63/64$												

MODIFICATIONS

Ø	: (VLINE)	◁	' (GRAVE)
±	[(LBRACK)	α	~ (TILDE)
Δ	? (QSTION)	°	^ (CAROT)
⊘	] (RBRACK)	$1/2$	! (EXCLAM)
℄	\ (BSLASH)	l	modified
$1/3$	{ (LBRACE)	ä	modified
$2/3$	} (RBRACE)	l	modified
f'c	< (LT)		
f's	> (GT)		

revision date 01-01-90

FONT 30

SWISS BOLD
(ADOT FONT LIBRARY)

ABCDE

abcde

FGHIJ

fghij

KLMNO

klmno

PQRST

pqrst

UVWXY

uvwxy

Z1234567890

z

!@#\$%^&*()- = + {}[]:;'"|\> < , . ? /

NOTICE:

BIT STREAM FONT - NOT APPLICABLE ON MICROSTATION (PC)

revision date 01-01-90

CADD STANDARDS

FONT 42

OUTLINE PROPORTIONAL
(ADOT FONT LIBRARY)

A B C D E

a b c d e

F G H I J

f g h i j

K L M N O

k l m n o

P Q R S T

p q r s t

U V W X Y

u v w x y

Z 1 2 3 4 5 6 7 8 9 0

z

! \$ % & () , . / : ; > < ?

NOTICE:

ANY OTHER CHARACTERS USED WILL BE DISPLAYED AND PLOTTED AS FAST FONT

revision date 01-01-90

CADD STANDARDS

FONT 126

SYMBOL FONT (ADOT FONT LIBRARY)

KEY	KEY	KEY	KEY	KEY	KEY
⊕ A	Q	7	+	¿	?
+ B	R	8	=	¿	/
- C	S	9	[√
→ D	T	∅]		~
- E	U	!	{		
□ F	V	@	}		
○ G	W	#	◻		
◦ H	X	\$	◻		
- I	Y	%	||		
- J	Z	°	/		
- K	1	&	:		
· L	2	*	\		
J M	3	(▶	<	
- N	4)	▶	>	
x O	5		¶		
■ P	6	¿	-	¿	◦

* - UNDEFINED

revision date 01-01-90

FONT 127

FAST FONT
(ADOT FONT LIBRARY)

ABCDE

abcde

FGHIJ

fghij

KLMNO

klnno

PQRST

pqrst

UVWXY

uvwxy

Z1234567890

z

!@#\$%&*()- =+{}[]:;":'\><.,_?/

1/2	1/4	3/4	1/8	3/8	5/8	7/8	1/16	3/16	5/16	7/16	9/16	11/16	13/16	15/16	1/32
3/32	5/32	7/32	9/32	11/32	13/32	15/32	17/32	19/32	21/32	23/32					
27/32	29/32	31/32	1/64	3/64	5/64	7/64	9/64	11/64	13/64	15/64					
17/64	19/64	21/64	23/64	25/64	27/64	29/64	31/64	33/64	35/64						
37/64	39/64	41/64	43/64	45/64	47/64	49/64	51/64	53/64	55/64						
57/64	59/64	61/64	63/64												

NOTICE:

IGDS VER. 8.8.2 FONT Ø

revision date 01-01-90