

SAG

Element : 64.4 Object Language  
Baseline : 3-Element Performance Specification  
TYPE OF PAGE : SURVEY OF DOCUMENTS

12 RC of element 1

SECTION OR TYPE OF PAGE

AUTHOR

RESPONSIBLE

APPROVAL

First issued = 0

Changed = X

Cancelled = V

Table of Contents

General

Object Code record Format

Transfer of binary object code records

Object Code record types

No. of Change

Date

Total Number of Sheets

1

2

5

3

44+1

Coulier

Lemaire

Project leader

Management

0

0

0

0

0

*[Handwritten signature]*

0

18.1.74

1A

2B, 3A, 5A

1A, 1-1  
4A, 5A  
8A, 9A  
10A

Coulier

Lemaire

Project leader

702

15.11.74

OBJECT LANGUAGE

All rights strictly reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Propriété de :  
PHILIPS MATÉRIEL ÉLECTRONIQUE  
PROFESIONNEL - CII  
Fontenay-aux-Roses France

Tous droits strictement réservés.  
Reproduction ou communication à des tiers interdite, sous quelque forme que ce soit sans autorisation écrite du propriétaire.

P.R.S.

Sagittaire Object Language

Table of Contents

1. General

2. Object Code Record Format

3. Transfer of a Binary Object Code Record to  
or from Memory

4. Object Code Record Types

4.1 ASCII Identification

4.2 Binary Object Code Records

4.2.1 COMMON Data Cluster

4.2.2 Entry Point Names Clusters

4.2.3 External Reference Names Clusters

4.2.4 Code Clusters

4.2.5 Internal Modification Clusters

4.2.6 Entry Point Definition Clusters

4.2.7 Common length Definition Clusters

4.2.8 End/Start Clusters.

CARLIER

Author : LACOUR

Responsible : LEMAIRE

SAG EPS 61.00

2

Supersedes doc. nr.

L

PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL-CII  
FONTENAY-AUX-ROSES

Date  
Page

15.11.1971

1. A.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the Proprietors.

Propriété de  
PHILIPS MATERIEL ELECTRONIQUE  
PROFESSIONNEL - CII  
Fontenay-aux-Roses France

Tous droits strictement réservés.  
Reproduction ou communication à  
ces fins interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

1. General

This document describes the format of the object code generated by :

- The Sagittaire Assembler and Linkage Editor
- The Fortran Compiler.

This object code format is oriented towards an optimization of the object program size on paper (or magnetic) tapes.

The main characteristics of this format are :

- There may be absolute and relocatable program sections within an object program.

Notice that the relocatability does not imply that relocatable program sections may be shifted in core once loaded.

- A program may refer to a set of "external" subprograms, or data areas, in a non rigid manner. Such external references may be automatically satisfied by the Linking Loader or Linkage Editor from object modules libraries.

- The object code format allows the processing of object program output by a 1 or 2 pass processor.

CARLIER

Supersedes doc. nr.

L

PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL-CTI  
FONTENAY-AUX-ROSES

Date  
Page

18.1.71  
1

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de :  
PHILIPS-MATERIEL ELECTRONIQUE  
PROFESSIONNEL-CTI  
Fontenay-aux-Roses  
France

Tous droits strictement réservés.  
Reproduction ou communication à  
des tiers interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
SECTION 1 : GENERAL

Document number

L

Distribution

. As long as it does not make external references, an object module may be loaded into core by the Sagittaire System Loader.  
Otherwise it must previously be processed by the Sagittaire Linkage Editor.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de  
PHILIPS MATÉRIEL ÉLECTRONIQUE  
PROFESSIONNEL - C.T.I.  
Fontenay-aux-Roses France

Tous droits strictement réservés.  
Reproduction ou communication à  
des tiers interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

CARRIER

Supersedes doc. nr.

L

PHILIPS-MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL - C.T.I.  
FONTENAY-AUX-ROSES

Date  
Page

18.1.71  
2

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
SECTION 2 : OBJECT CODE RECORD FORMAT

Document number

L

Distribution

## 2. Object Code Record Format

An object module output by a Sagittaire Language Processor or Linkage Editor consists of a series of variable length records separated by blanks strings.

2.1 The first record of an object module is a program identification record, in ASCII code. Its consists of the whole IDENT statement, as specified in the source statement from which it is originated, and followed by XOFF, CR. LF.

All rights strictly reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Propriété de :  
PHILIPS MATÉRIEL ÉLECTRONIQUE  
PROFESSIONNEL - CII  
Fontenay-aux-Roses France

Tous droits strictement réservés.  
Reproduction ou communication à  
des tiers interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

CARLIER

Supersedes doc. nr.

L

PHILIPS-MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL-CII  
FONTENAY-AUX-ROSES

Date  
Page

18.1.71  
1

2.2 The other records of an object module have a special format which provides for an easy distinction from ASCII

2.2.1 Case of an Object Module Output on High Speed Paper Tape Punch, Magnetic Tape, Disk or Cards.

- The first character of each record is a record identification (X'10' and X'11' to X'14, X'15' to X'17')
- the second character contains the number of 16 bits word in the remainder of the record, excluding the checksum. This number is modified so as to obtain a non printable character
- The following characters represent a series of 16 bits words, each of which holds on 2 characters, in 8 - 8 format.
- The last word of each record is the checksum, i.e; the result of an "exclusive OR" between all 16 bits word of the record; up to the checksum itself (exclusive).

CARRIER - LACOUR

Supersedes doc. nr.

L PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL-CTI  
 FONTENAY-AUX-ROSES

Date 15.11.1971  
 Page 2 B

All rights strictly reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Propriété de PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL-CTI Fontenay-aux-Roses France

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
SECTION 2 : OBJECT CODE RECORD FORMAT

Documentnumber

L

Distribution

### 2.2.2 Case of an Object Module Produced by the ASR 33

- The first character of each record is a record identification (from X'18' to X'1F')
- The second character contains the number of 16 bits words in the remainder of the record excluding the checksum. This value is modified, so as to obtain a non printable character (see note).
- The following characters represent a series of 16 bits words, each of which is punched on 4 paper tape characters in 4x4 format.
- The last word of each record is the checksum, i.e. the result of an exclusive or between all 8 bit characters of the record up to the checksum itself (exclusive).
- This word is followed by an X'0FF' character.

Note : The rule for modifying the characters of the object code records in 4 x 4 format is the following : add X'10' to zero characters and to binary characters from X'5' to X'F'. Leave others unchanged.

CARLIER - LACOUR

Supersedes doc. nr.

L PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL-CTI  
FONTENAY-AUX-ROSES

Date 15.11.1971  
Page 3. A

8211 2272 0030

6

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de  
PHILIPS-MATERIEL ELECTRONIQUE  
PROFESSIONNEL-CTI  
Fontenay-aux-Roses  
France

Tous droits strictement réservés.  
Reproduction ou communication à  
des tiers interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

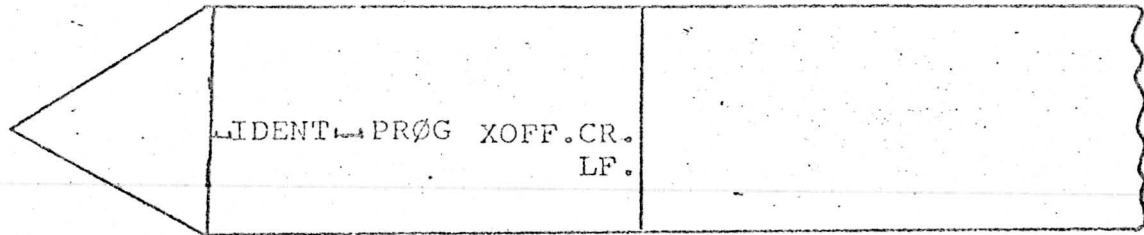


Fig 1 : ASCII Identification Record

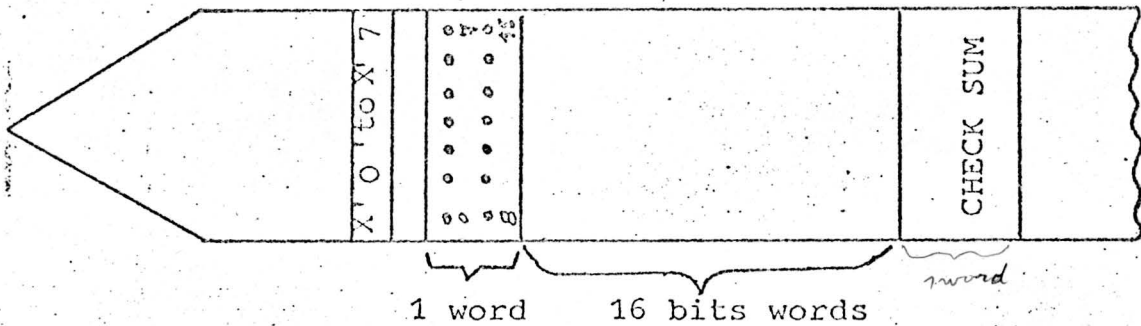


Fig 2 : Binary Object Code Records (clusters)  
 in 8 - 8 format.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de : PHILIPS MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL - CII Fontenay-aux-Roses France

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
 BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
 SECTION 2 : OBJECT CODE RECORD FORMAT

Documentnumber

L

Distribution

2.3

All object modules in an object module library are separated by end of segment marks (:EØS XØFF.CR.LF).

The last object module of a tape is followed by an end of file mark (:EØF XØFF.CR.LF)

The combination of the ASCII identification segment marks and end of file marks allows the manipulation of object files in the same way as source files.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

A1

A1

Propriété de  
 PHILIPS MATÉRIEL ÉLECTRONIQUE  
 PROFESSIONNEL - CII  
 Fontenay-aux-Roses France

Tous droits strictement réservés.  
 Reproduction ou communication à  
 des tiers interdite sous quelque  
 forme que ce soit sans autorisation  
 écrite du propriétaire.

CARRIER - LACOUR

Supersedes doc. nr.

L

PHILIPS-MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL-CII  
 FONTENAY-AUX-ROSES

Date  
 Page

15.11.1971  
 5.A.

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
 BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
 SECTION 3 : TRANSFER OF A BINARY OBJECT CODE  
 RECORD TO OR FROM MEMORY

Document number L

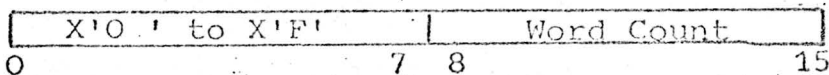
Distribution

3. Transfer of a Binary Object Code Record to or from Memory :

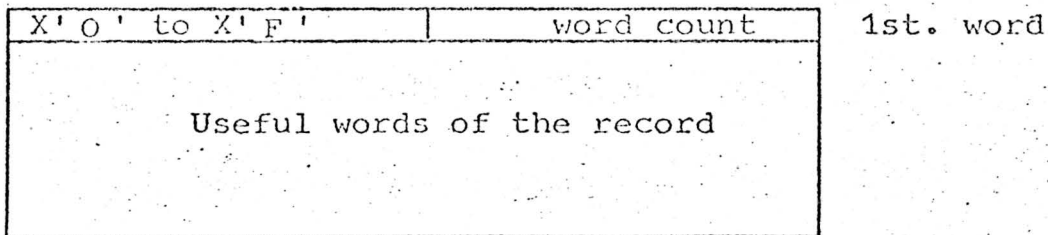
3.1. Input :

The I/Ø routine will transfer the record in the user area in the following manner :

- The two first characters (identification and word count) will be transferred in the first word of the user area :



- The following characters will be grouped 2 by 2 or 4 by 4 into 16 bit words. These words will be set sequentially after the first word of the user area. Transfer will stop when the checksum has been read and processed. Therefore the format of a binary object code record in core will be :



Note : the checksum is verified by the I/Ø routine but not transferred to the user area.

CARRIER

Supersedes doc. nr.

L PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL-CTI  
 FONTENAY-AUX-ROSES

Date 18.1.71  
 Page 1

Tous droits strictement réservés.  
 Reproduction ou communication à  
 des tiers interdite sous quelque  
 forme que ce soit sans autorisation  
 écrite du propriétaire.  
 Propriété de  
 PHILIPS-MATERIEL ELECTRONIQUE  
 PROFESSIONNEL - CTI  
 Fontenay-aux-Roses  
 France

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
SECTION 3 : TRANSFER OF A BINARY OBJECT CODE  
RECORD TO OR FROM MEMORY

Document number | L

Distribution

The distinction between an 8 - 8 and 4 X 4 input is made at the input routine level.

In all cases this routine will translate the record identifications from X'10' to X'0' and from X'18 to X'0'. In the same manner, the rules given in notes 2.2.1. and 2.2.2. are applied in the reverse way.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de :  
PHILIPS MATÉRIEL ÉLECTRONIQUE  
PROFESSIONNEL - CTI  
Fontenay-aux-Roses France

Tous droits strictement réservés.  
Reproduction ou communication à  
des tiers interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

CARLIER

Supersedes doc. nr.

L

PHILIPS - MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL - CTI  
FONTENAY-AUX-ROSES

Date  
Page

18.1.71  
2

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
 BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
 SECTION 3 : TRANSFER OF A BINARY OBJECT CODE  
 RECORD TO OR FROM MEMORY

Document number	L
Distribution	

3.2.

Output :

The degrouping of a record in core into a record on paper tape is done in the reverse manner. The checksum has to be computed by the output routine. When degrouping a record into 8-8 or 4x4 format, the output routine modifies all characters according to the rules given in note 2.2.1. and 2.2.2..

When degrouping a record into 4x4 format the output routine adds X'8' to the cluster identification.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de  
 PHILIPS MATÉRIEL ÉLECTRONIQUE  
 PROFESSIONNEL - CTI  
 Fontenay-aux-Roses France

Tous droits strictement réservés.  
 Reproduction ou communication à  
 des tiers interdite sous quelque  
 forme que ce soit sans autorisation  
 écrite du propriétaire.

CARRIER

Supersedes doc. nr.

L PHILIPS-MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL-CTI  
 FONTENAY-AUX-ROSES

Date	18.1.71
Page	3

4. Object Code Record Types :

4.1. ASCII Identification :  
 IDENT statement, return and line feed.

4.2. Binary Object Code Records :  
 All cluster identifiers are presented in their core image format.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.

© Propriété de :  
 S.A. PHILIPS INDUSTRIELLE ET COMMERCIALE  
 Capital de 120 Millions de francs  
 50, Avenue Montaigne PARIS - 8e  
 R.C. PARIS 62 B 5173

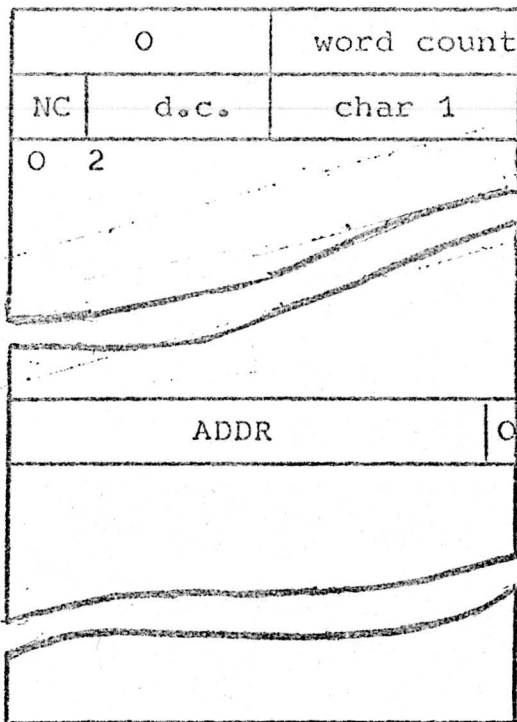
Tous droits strictement réservés.  
 Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.



AUTHOR : CARLIER LACOUR	SIGNATURE :	RESPONSIBLE : LEMAIRE	APPROVAL :
Philips Data Systems IGSC - Centre Technique et Industriel - Fontenay-aux-Roses - France			Date : 15.11.1971 Page : 1

4.2.1. COMMON Data Cluster

This cluster is produced by the FORTRAN compiler only, when a BLOCK DATA Subroutine is processed. It permits the initialization of some part of a COMMON block.



name of labeled COMMON block (up to 6 characters)

up to 34 words

absolute data words to be loaded starting at ADDR in named COMMON block

- NC Number of characters of the symbol (three bits)
- d.c. Do not care.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.

Propriete de : S.A. PHILIPS INDUSTRIELLE ET COMMERCIALE Capital de 120 Millions de francs 50, Avenue Montaigne PARIS - 8e R.C. PARIS 62 B 5173

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.

PHILIPS

4.2.2. Entry Point Names Cluster (type 1)

This cluster contains a list of entry point names.

These entry point names are numerically defined later in an entry point definition cluster (type 5).

Format :

1		word count
( <u>NC</u> 4)	d-c	N
0	2 3 7	
A		M
E		0 _____ 0
( <u>NC</u> 1)	d-c	E
( <u>NC</u> 3)	d-c	E
N		T

Each entry in this table has a variable length.

NC = number of characters in the name.

d-c = don't care

Note : All clusters of this type, if present in an object module, must be grouped and either be the first or follow a type 0 cluster.

CARRIER

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de :  
 PHILIPS-MATERIEL ELECTRONIQUE  
 PROFESSIONNEL-CTI  
 Fontenay-aux-Roses  
 France

Tous droits strictement réservés.  
 Reproduction ou communication à  
 des tiers interdite sous quelque  
 forme que ce soit sans autorisation  
 écrite du propriétaire.

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
 BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
 SECTION 4 : OBJECT CODE RECORD TYPES

Document number

L

Distribution

4.2.3. External Reference Name Cluster (type 2)

This cluster contains a list of external reference names. In further code clusters these names are referred to by their numbers. The first external reference name listed in a module has number 1, the second number 2, etc ...

Format : Same as for Entry point name cluster  
 (see 4.2.2.)

Meaning : The external reference name cluster, in an object program, define an equivalence between an external name and a number (1 for the first external name specified in an object program, 2 for the second, etc ...). These externals may be referred to in the remainder of the object program by these numbers (see code clusters 4.2.4.)

Note : These clusters, if present in an object module, must be grouped and either follow type 1 cluster (if any), or a type 0 cluster, or be the first.

CARRIER

Supersedes doc. nr.

L PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL-CTI  
 FONTENAY-AUX-ROSES

Date  
 Page

18.1.71  
 3

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.

Propriété de :  
 PHILIPS MATÉRIEL ÉLECTRONIQUE  
 PROFESSIONNEL - CTI  
 Fontenay-aux-Roses France

Tous droits strictement réservés.  
 Reproduction ou communication à  
 des tiers interdite sous quelque  
 forme que ce soit sans autorisation  
 écrite du propriétaire.

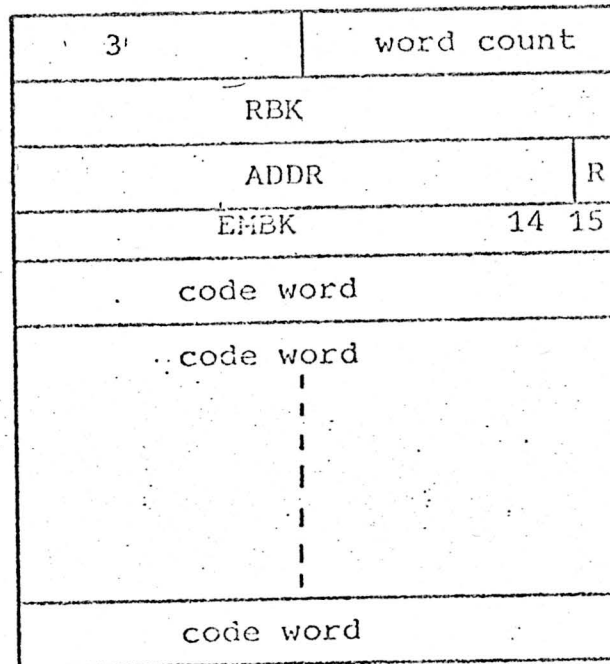
4.2.4. Code Clusters (type 3)

This cluster contains a list of code words generated by the Language Processor and Linking Loaders. This cluster also contains the address (ADDR) from which this code word list has to be loaded into core.

Furthermore, two keys are associated to this list :

- a relocation bit key (RBK)
- an external modification bit key (EMBK)

Format :



max-number of code words : 16

CARRIER - LACOUR

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de :  
 PHILIPS-MATERIEL ELECTRONIQUE  
 PROFESSIONNEL-CIT  
 Fontenay-aux-Roses France

Tous droits strictement réservés.  
 Reproduction ou communication de  
 ces titres interdite sous quelque  
 forme que ce soit sans autorisation  
 écrite du propriétaire.



SAG ELEMENT 61.1. : OBJECT LANGUAGE  
BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
SECTION 4 : OBJECT CODE RECORD TYPES

Document number

L

Distribution

first code word of the list (absolute program section). If bit R = 1, ADDR is the relative address (relative to the base address of the module) of the first code word of the list (relocatable program section).

- In the case of bit R = 0 (absolute code), the RBK key is normally reset, except when there is a reference from an absolute program section to a relocatable program section.
- If an external reference number is attached to a code word, and if i is the order of the RBK and EMBK bit of this code word, the order of the RBK and EMBK bit of the next code word is  $j = i + 2$ .

CARLIER

Supersedes doc. nr.

L

PHILIPS-MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL-CTI  
FONTENAY-AUX-ROSES

Date 27.1.71  
Page 6

0211 227 0093

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.

Propriété de :  
PHILIPS MATÉRIEL ÉLECTRONIQUE  
PROFESSIONNEL - CTI  
Fontenay-aux-Roses France

Tous droits strictement réservés.  
Reproduction ou communication à  
des tiers interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

4.2.5. Internal Modification Cluster (type 4)

This cluster contains a series of code words generated by the Language Processors and Linking Loaders each time a forward reference is solved.

Every code word of this series is associated with a relocation bit of a relocation bits key in the same way as in Code Cluster (see 4.2.4) and an absolute or relocatable word address.

Format :

4	word count
RBK	
ADDR 0	R
CODE WORD 0	14 15
ADDR 1	R
CODE WORD 1	
⋮	
ADDR i	R
CODE WORD i	
⋮	

Max. number of code words : 16

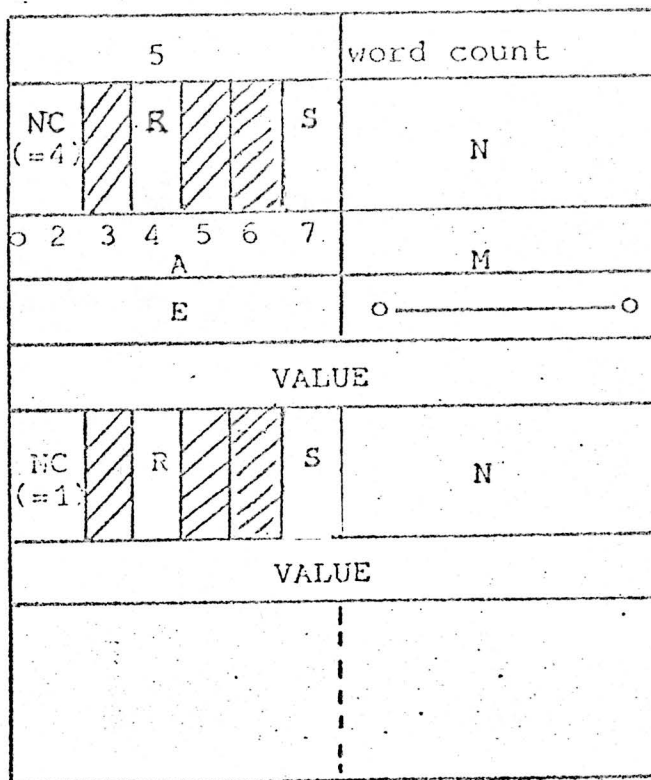
Bit # 0 of RBK is attached to code word 0, bit # 1 to code word 1, etc...

CARRIER

4.2.6. Entry Point Definition Cluster (type 5)

This cluster contains a list of entry point names, along with their numerical equivalents.

Format :



- NC = number of characters in the entry point name
- R = 1 if relocatable entry point, 0 if absolute
- S = 1 if entry point name = internal symbol table name.

CARRIER - LACOUR

4.2.7. Common Length Definition Cluster : (type 6)

(as output of the Fortran Compiler and upper versions of the Assembler).

In the Sagittaire System, a reference to a common is considered as an external reference to the name of this common, with a displacement representing a relative address in the Common.

Therefore all references to a blank or labeled common may be handled in code clusters.

However it is necessary to provide the Linkage Editor or Linking Loader with the length of the common blocks.

This is the purpose of the Common length definition clusters.

Format :

Same as for the Entry Point Definition Clusters.

(see 4.2.6.), but R and S are always 0.

Meaning :

The NAME parameter is the name of the common block (one space for the blank common).

The VALUE parameter is the length in characters of the common block.

CARRIER \_ LACOUR

Supersedes doc. nr.

L PHILIPS-MATERIEL ELECTRONIQUE PROFESSIONNEL - CII  
 FONTENAY-AUX-ROSES

Date 15.11.1971  
 Page 9

All rights strictly reserved. No part of this document may be reproduced or issued to third parties in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without written authority from the proprietors.

Propriété de  
 PHILIPS-MATERIEL ELECTRONIQUE  
 PROFESSIONNEL - CII  
 Fontenay-aux-Roses France

Tous droits strictement réservés.  
 Reproduction ou communication à  
 des tiers interdite sous quelque  
 forme que ce soit sans autorisation  
 écrite du propriétaire.

4.2.8. End/Start Cluster : (type 7)

This cluster contains the following information :

- start address in the object module.
- object module length (length of relocatable program section, i.e. for an entirely absolute program)
- error flag.
- protection mask (meaningful only if output by the Linking Loader, 0 otherwise)

Format :

	7	3	
	START		R
0	MASK	14	15
	LENGTH		
	ERFLAG		

Meaning :

- START = Start address of the object module  
(R=0 if absolute, R=1 if relative).  
If START=0 no start address.
- MASK = Protection mask
- LENGTH = Length of the object module, expressed as an even number of characters.
- ERFLAG = Flag indicating that an assembly, compilation,

CARLIER - LACOUR

Supersedes doc. nr.

L PHILIPS-MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL-CTI  
 FONTENAY-AUX-ROSES

Date 15.11.1971  
 Page 10.

All rights strictly reserved. Reproduction or issue in any form whatsoever is not permitted without written authority from the proprietors.

Propriété de PHILIPS MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL CTI Fontenay-aux-Roses France

Tous droits strictement réservés. Reproduction ou communication de des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.

SAG ELEMENT 61.1. : OBJECT LANGUAGE  
BASELINE 2 : ELEMENT PERFORMANCE SPECIF.  
SECTION 4 : OBJECT CODE RECORD TYPES

Document number

L

Distribution

or link-edit error has been detected while producing this object module. . This is (in binary), the number of errors encountered.

All rights strictly reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Propriété de  
PHILIPS MATÉRIEL ÉLECTRONIQUE  
PROFESSIONNEL - CII  
Fontenay-aux-Roses France

Tous droits strictement réservés.  
Reproduction ou communication à  
des tiers interdite sous quelque  
forme que ce soit sans autorisation  
écrite du propriétaire.

CARLIER

Supersedes doc. nr.

L

PHILIPS-MATÉRIEL ÉLECTRONIQUE PROFESSIONNEL-CII  
FONTENAY-AUX-ROSES

Date  
Page

18.1.71  
11