


```
IIIIII  NN      NN  TTTTTTTTTT  PPPPPPPP  AAAAAA  RRRRRRRR
IIIIII  NN      NN  TTTTTTTTTT  PPPPPPPP  AAAAAA  RRRRRRRR
  II     NN      NN      TT          PP        PP  AA      AA  RR      RR
  II     NN      NN      TT          PP        PP  AA      AA  RR      RR
  II     NNNN    NN      TT          PP        PP  AA      AA  RR      RR
  II     NNNN    NN      TT          PP        PP  AA      AA  RR      RR
  II     NN  NN  NN      TT          PPPPPPPP  AA      AA  RRRRRRRR
  II     NN  NN  NN      TT          PPPPPPPP  AA      AA  RRRRRRRR
  II     NN      NNNN    TT          PP        AAAAAAAAAA  RR  RR
  II     NN      NNNN    TT          PP        AAAAAAAAAA  RR  RR
  II     NN      NN      TT          PP        AA      AA  RR      RR
  II     NN      NN      TT          PP        AA      AA  RR      RR
  II     NN      NN      TT          PP        AA      AA  RR      RR
IIIIII  NN      NN      TT          PP        AA      AA  RR      RR
IIIIII  NN      NN      TT          PP        AA      AA  RR      RR
```

```
SSSSSSSS  DDDDDDDD  LL
SSSSSSSS  DDDDDDDD  LL
SS         DD         DD  LL
SS         DD         DD  LL
SS         DD         DD  LL
SS         DD         DD  LL
  SSSSSS   DD         DD  LL
  SSSSSS   DD         DD  LL
           SS        DD  LL
           SS        DD  LL
           SS        DD  LL
           SS        DD  LL
SSSSSSSS  DDDDDDDD  LLLLLLLLLL
SSSSSSSS  DDDDDDDD  LLLLLLLLLL
```


{ REQUIRE file for COBOL Intermediate data type
 { File: INTPAR.SDL Edit: SBL2001

```
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```

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{ Edit history:
{ 1-001 - original DGP 29-Jan-79
{ 1-002 - Revised to reflect ECO for COBOL Intermediate Data Type
{          (SRM ECO79Q4-17) RKR 16-Aug-79.
{ 1-003 - Add copyright notice. SBL 11-MAR-1980
{ 2-001 - Convert to SDL. SBL 23-Aug-1982
```

{+
 { The COBOL compiler allocates twelve bytes for an intermediate
 { temporary value, which are arranged as follows:

```

+-----+
| INT$W_I_EXP |      : Intermediate temp
+-----+
| INT$P_I_FRACT |
+-----+
```

{ The fraction is a packed, 18-digit number. The fraction is normalized
 { with the high-order digit non-zero (unless the whole number is zero).
 { The exponent is kept in true form. If the exponent is -32768, the
 { number is the reserved operand. Otherwise the exponent must be in the
 { range from +99 to -99 decimal.

{ Define the symbols which are used to access and manipulate the
 { intermediate data type.

{ MODULE \$INTDEF;

AGGREGATE INTSR DEF STRUCTURE PREFIX INTS;

I_EXP WORD UNSIGNED; { Exponent field
I_FRACT DECIMAL PRECISION (18,0); { Fraction fieldCONSTANT I_FRACT_D EQUALS 18; { Length of fraction field in digits
CONSTANT I_FRACT_L EQUALS 10; { Length of fraction field in bytes
CONSTANT I_EXP_HI EQUALS 99; { Max value of exponent
CONSTANT I_EXP_LO EQUALS -99; { Min value of exponent
CONSTANT I_EXP_RES EQUALS -32768; { Exponent value for "reserved"
CONSTANT I_LEN EQUALS INTSK_I_FRACT_L+2; { Length of number in bytes

END INTSR_DEF;

END_MODULE \$INTDEF;

