

# Integrated Symbol Function !D, ?D

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The symbol function **D** (date) allows you to design dates in generated JCL more flexibly. This function calculates date values using the current date as a basis.

## Syntax

```
§ !D<type|period|offset[|offset-unit][,edit-mask][,calendar]>
```

or

```
§ !D<T[,edit-mask]>
```

or

```
§ !D<yyyyymmdd,edit-mask>
```

## Examples

```
§ !D<AD-1>
```

```
§ ?D<WW+1,DDMMYY>
```

```
§ !D<T,YYMMDD>
```

```
§ !D<19991001,DD.MM.YY>
```

## Function

Calculation of date values from the current date.

# Return Format

See edit-mask.

## Parameters

The parameters are written one after the other without spaces.

Syntax Element	Parameter	Explanation
type	T	current date
	A	all days (365 resp. 366 days a year)
	C	calendar days (days defined as working days in the calendar)
	S	schedule days
period	C	from current day
	W	week
	M	month
	1...9	one month back...nine months back
	Q	quarter
offset	Y	year
		positive or negative number with prefix
	D	days (default)
	W	weeks
	M	months
	Q	quarters
	Y	years

Syntax Element	Possible Values	Examples
edit-mask (date format, optional)	DDMMYY	171101
	DDMMYYYY	17112001
	DD.MM.YYYY	17.11.2001
	YYMMDD	011117
	YY.MM.DD	01.11.17
	YYYY.MM.DD	2001.11.17
	DD	25 (day)
	DD.MM.YY	25.12.96
	MM	10 (month)
	YY	01 (2-digit year)
	YYJJJ	01134 (Julian)
	YYYY	2001 (4-digit year)
calendar		See Reference Objects, Calendar.
yyymmdd		Date in format YYYYMMDD.

## Reference Objects

Syntax Element	Meaning
Owner	The owner of the network from which the function was called.
Calendar	If a calendar was specified explicitly, this is taken for calendar calculations. This calendar must exist under the current owner. If it is not found there, it is searched for under the owner SYSDBA. Otherwise, the calendar of the current schedule is taken. If no calendar has been defined, all days are working days.

If this parameter is missing or if an unknown format has been used, the date is returned in the format YYYYMMDD (example: 19991117).