

```
-- file: TimeDefs.Mesa
-- last edited by Johnsson, March 21, 1977 3:17 PM
```

DIRECTORY

```
InlineDefs: FROM "inlinedefs";
```

```
TimeDefs: DEFINITIONS =
BEGIN
```

```
StartWeekDay: PRIVATE INTEGER = 1;      -- Jan. 1, 1901 was a Tuesday
DstStart: PRIVATE INTEGER = 115;        -- on or after Apr. 24
DstLast: PRIVATE INTEGER = 299;         -- on or after Oct. 25
BaseYear: PRIVATE INTEGER = 1901;
DaysInFourYears: PRIVATE INTEGER = 4*365+1;
```

```
-- DefaultTime: PackedTime = [0,0];
```

```
PackedTime: TYPE = InlineDefs.LongCARDINAL;
```

```
UnpackedTime: TYPE = RECORD [
  year: [0..2050],      -- base year is 1901
  month: [0..12],      -- January = 0
  day: [0..31],        -- first day of month = 1
  hour: [0..24],
  minute: [0..60],
  second: [0..60],
  dst: BOOLEAN;       -- currently always returned FALSE
```

```
CurrentDayTime: PROCEDURE RETURNS [PackedTime];
```

```
UnpackDT: PROCEDURE [PackedTime] RETURNS [UnpackedTime];
```

```
InvalidTime: ERROR;
```

```
PackDT: PROCEDURE [UnpackedTime] RETURNS [PackedTime];
```

```
AppendDayTime: PROCEDURE [STRING, UnpackedTime]; -- 12-JAN-77 12:34
```

```
- DayOfWeek: PROCEDURE [PackedTime] RETURNS [[0..7)]; -- Monday = 0
```

```
END...
```