



AutoMan Update Notification

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Affected Programs: **AutoMan V2.9**
 AutoMan V2.X
 GALCOMP V2.9
 GALCOMP V2.X

Affected Components: **Advanced Workload Scheduler (AWS)**

Background of Update:

The Advanced Workload Scheduler (AWS) uses definitions of dates, periods and categories to specify when jobs and tasks are to be scheduled. Categories enable dates of a particular type to be clustered together, so that they can be referred to in schedules by a single name. For instance, some dates are considered to be holidays, so scheduling may be different to those days which are considered to be working days. The definition of a date category may include days, periods and other categories.

Jobs, tasks and work are dispatched by the scheduler on days, dates, periods and date categories that are defined to AWS.

Description of Update:

The definition of a category of dates has been enhanced to specifically exclude days, periods and categories that are known to not belong in a category. This enables complex date relationships to be specified, simply and provides a method of simplified scheduling.

General format of DEFINE CATEGORY statement.

```
DEFINE CATEGORY ( category name )  
  
    [ CONTAINS DAY( list of defined day names ) ]  
  
    [ CONTAINS CATEGORY( list of category names ) ]  
  
    [ CONTAINS PERIOD( list of period names ) ]  
  
    [ EXCEPT DAY( list of excluded day names ) ]  
  
    [ EXCEPT CATEGORY( list of excluded category names ) ]  
  
    [ EXCEPT PERIOD( list of excluded period names ) ]  
  
    [ DESCRIPTION ( descriptive text ) ]
```

The enhancements are shown in red above. The EXCEPT clause specifies days, periods, and categories, that are specifically excluded from belonging to the category that is being defined.

Example of Update.

A schedule is required to dispatch work at a certain time on all working days. Working days are defined as “all week days, except those that fall on holidays”.

```
DEFINE DAY ( WEEKDAY )
    AS ( MON TUE WED THU FRI )
*
DEFINE DAY ( WEEKEND )
    AS ( SAT SUN )

* ----- *
* Define a category of days that are NONWORK days *
* These are WEEKEND days and HOLIDAYS *
* ----- *
*
DEFINE CATEGORY ( NONWORK )
    CONTAINS DAY( WEEKEND )
    CONTAINS CATEGORY( HOLIDAY )
    DESCRIPTION ( 'DAYS NO ONE IS ON SITE' )
*
* ----- *
* Define a category of days that are WORKDAYS *
* These are WEEKDAYS except those that are NONWORK days *
* ----- *
*
DEFINE CATEGORY ( WORKDAY )
    CONTAINS DAY( WEEKDAY )
    EXCEPT CATEGORY( NONWORK )
    DESCRIPTION ( 'DAYS SOMEONE ON SITE' )
*
* ----- *
* Define the Days that are HOLIDAYS and add them to the category HOLIDAY *
* ----- *
*
* If New Year's Day happens to be a Saturday or Sunday
* the holiday is taken on the following Monday.
*
DEFINE DAY ( NEWYEARS_DAY )
    AS ( FIRST DAY OF YEAR WHERE ( DOW IS NOT (SAT SUN))
    OR FIRST MONDAY OF YEAR )
    ADD CATEGORY ( HOLIDAY )
    DESCRIPTION ( 'US FEDERAL HOLIDAY' )
*
* Martin Luther King Day
*
DEFINE DAY ( MLK_DAY )
    AS ( 3RD MON OF JAN )
    ADD CATEGORY ( HOLIDAY )
    DESCRIPTION ( 'US FEDERAL HOLIDAY' )
*
* Presidents Day
*
DEFINE DAY ( PRESIDENTS_DAY )
    AS ( 3RD MON OF FEBRUARY )
    ADD CATEGORY ( HOLIDAY )
    DESCRIPTION ( 'US FEDERAL HOLIDAY' )
```

```
*
* Memorial Day
*
DEFINE DAY ( MEMORIAL_DAY )
  AS (LAST MON OF MAY )
  ADD CATEGORY ( HOLIDAY )
  DESCRIPTION ( 'US FEDERAL HOLIDAY' )
*
* Independence day holiday
*
DEFINE DAY ( INDEPENDENCE_DAY )
  AS ( 4TH DAY OF JULY WHERE ( DOW IS NOT (SAT SUN))
  OR 3RD DAY OF JULY WHERE ( DOW IS FRI )
  OR 5TH DAY OF JULY WHERE ( DOW IS MON ) )
  ADD CATEGORY ( HOLIDAY )
  DESCRIPTION ( 'US FEDERAL HOLIDAY' )
*
* Labor Day
*
DEFINE DAY ( LABORDAY )
  AS (1ST MON OF SEPTEMBER )
  ADD CATEGORY ( HOLIDAY )
  DESCRIPTION ( 'US LAST SUMMER HOLIDAY' )
*
* Thanksgiving
*
DEFINE DAY ( THANKSGIVING )
  AS (4TH THURS OF NOV)
  ADD CATEGORY ( HOLIDAY )
```

Using the example above, the statement to submit a job at 9AM on every working day would be.

```
AT 09:00 WORKDAY SUB(*(JOBNAME))
```

For more information see the manuals AutoMan V2.9 Scheduling or AutoMan V2.X Scheduling.