

Time Attendance Parameter : -

TA.DateIn	Recorded date in.
TA.TimeIn	Recorded in time.
TA.DateOut	Recorded date out.
TA.TimeOut	Recorded out time.
TA.LunchOutDate	Recorded lunch date out.
TA.LunchOutTime	Recorded lunch out time.
TA.LunchInDate	Recorded lunch date in.
TA.LunchInTime	Recorded lunch in time.
TA.NW	Non working day (in numeric value -1 = Yes, 0 = No)
TA.Absent	Absent (in numeric value -1 = Yes, 0 = No)
TA.Incomplete	Incomplete transaction (in numeric value -1 = Yes, 0 = No)
TA.OnLeave	On leave (in numeric value -1 = Yes, 0 = No)
TA.PayLeave	Pay Leave (in numeric value -1 = Pay, 0 = No)
TA.LeaveType	Type of leave (ANNUAL, MEDICAL, HOSPITALISED, MATERNITY, UNPAY, OTHER, OUTSTATION)
TA.LeaveDayType	Type of leave day (1=1 day, 1ST=First half, 2ND=Second half)
TA.LeaveNoOfDay	Number of day on leave (1=1 day, 0.5=Half day)
TA.StartDate	Defined work start date.
TA.StartTime	Defined work start time.
TA.EndDate	Defined work end date.
TA.EndTime	Defined work end time.
TA.OTStartDate	Recorded OT start date.
TA.OTStartTime	Recorded OT start time.
TA.OTEndDate	Recorded OT end date.
TA.OTEndTime	Recorded OT end time.
TA.OTHour	Calculated 1 st session OT hours for each day.
TA.OTMinute	Calculated 1 st session OT minutes for each day. (Remaining minute)
TA.OTMinusMinute	Minutes minus from 1 st session OT for each day.
TA.OTRate	1 st session OT rate for each day.
TA.OT2Hour	Calculated 2 nd session OT hours for each day.
TA.OT2Minute	Calculated 2 nd session OT minutes for each day. (Remaining minute)
TA.OT2MinusMinute	Minutes minus from 2 nd session OT for each day.
TA.OT2Rate	2 nd session OT rate for each day.
TA.OT10Hour	Calculated OT hours with 1.0 rate for each day.
TA.OT10Minute	Calculated OT minutes with 1.0 rate for each day. (Remaining minute)
TA.OT15Hour	Calculated OT hours with 1.5 rates for each day.
TA.OT15Minute	Calculated OT minutes with 1.5 rates for each day. (Remaining minute)
TA.OT20Hour	Calculated OT hours with 2.0 rates for each day.
TA.OT20Minute	Calculated OT minutes with 2.0 rates for each day. (Remaining minute)
TA.OT30Hour	Calculated OT hours with 3.0 rates for each day.
TA.OT30Minute	Calculated OT minutes with 3.0 rates for each day. (Remaining minute)
TA.LI	Late in (in numeric value -1 = Yes, 0 = No)
TA.EI	Early in (in numeric value -1 = Yes, 0 = No)
TA.EO	Early Out (in numeric value -1 = Yes, 0 = No)
TA.LO	Late out (in numeric value -1 = Yes, 0 = No)
TA.LLI	Lunch late in (in numeric value -1 = Yes, 0 = No)
TA.LLO	Lunch Late out (in numeric value -1 = Yes, 0 = No)
TA.LEO	Lunch early out (in numeric value -1 = Yes, 0 = No)
TA.LEI	Lunch Early in (in numeric value -1 = Yes, 0 = No)
TA.LIHour	Calculated late in hours for each day.
TA.LIMinute	Calculated late in minutes for each day. (Remaining minute)
TA.EOHour	Calculated early out hours for each day.
TA.EOMinute	Calculated early out minutes for each day. (Remaining minute)
TA.LLIHour	Calculated lunch late in hours for each day.
TA.LLIMinute	Calculated lunch late in minutes for each day. (Remaining minute)
TA.LEOHour	Calculated lunch early out hours for each day.
TA.LEOMinute	Calculated lunch early out minutes for each day. (Remaining minute)
TA.WHCutOffDateTime	Cut off date and time for today.
TA.WHNextCutOffDateTime	Cut off date and time for the next day.
TA.WHStartDateTime	Defined normal work hour start date and time.

TA.WHEndDateTime	Defined normal work hour end date and time.
TA.WHOTStartDateTime	Defined OT start date and time.
TA.WHOTEndDateTime	Defined OT end date and time.
TA.WHLunchStartDateTime	Defined lunch start date and time.
TA.WHLunchEndDateTime	Defined lunch end date and time.
TA.WH1stStartDateTime	Defined normal work hour 1 st half start date and time.
TA.WH1stEndDateTime	Defined normal work hour 1 st half end date and time.
TA.WH2ndStartDateTime	Defined normal work hour 2 nd half start date and time.
TA.WH2ndEndDateTime	Defined normal work hour 2 nd half end date and time.
TA.LunchHour	Calculated lunch hours for each day.
TA.LunchMinute	Calculated lunch minute for each day. (Remaining minute)
TA.Hour	Calculated total hours for each day. (First in until last out)
TA.Minute	Calculated total minutes for each day. (First in until last out) (Remaining minute)
TA.Rate	Recorded normal working hours rate for each day.
TA.NormalInDate	Recorded normal working hour date in.
TA.NormalInTime	Recorded normal working hour time in.
TA.NormalOutDate	Recorded normal working hour date out.
TA.NormalOutTime	Recorded normal working hour time out.
TA.NormalHour	Calculated normal working hours for each day.
TA.NormalMinute	Calculated normal working minutes for each day. (Remaining minute)
TA.NormalMinusMinute	Minutes minus from normal working hour.
TA.NormalRate	Rate of normal working hours.
TA.NormalTotalMinute	Calculated Total normal working hours for each day in minute format. (eg: 8hours->480min)
TA.NextDayPointer	Next day daypointer to determine cut off time
TA.DaySet	Dayset type if applicable (DAYSET1 / DAYSET2)
TA.TAPara1	TA formula parameter 1 for each day. (Value is user definable)
TA.TAPara2	TA formula parameter 2 for each day. (Value is user definable)
TA.TAPara3	TA formula parameter 3 for each day. (Value is user definable)
TA.TAPara4	TA formula parameter 4 for each day. (Value is user definable)
TA.TAPara5	TA formula parameter 5 for each day. (Value is user definable)
TA.TAPara6	TA formula parameter 6 for each day. (Value is user definable)
TA.TAPara7	TA formula parameter 7 for each day. (Value is user definable)
TA.TAPara8	TA formula parameter 8 for each day. (Value is user definable)
TA.TAPara9	TA formula parameter 9 for each day. (Value is user definable)
TA.TAPara10	TA formula parameter 10 for each day. (Value is user definable)
TA.C2DateNull	Function to convert date with Null value to system acceptable value

Payroll Parameter: -

PAY.gCompPayrollDays	Numbers of working day per month. (Normally 26 days)
PAY.gCompPayrollHours	Numbers of working hour per day. (Normally 8 hours)
PAY.IOT10Hour	Total of OT hours rate 1.0 for the payroll period.
PAY.IOT10Minute	Total of OT minutes rate 1.0 for the payroll period. (Remaining minute)
PAY.IOT15Hour	Total of OT hours rate 1.5 for the payroll period.
PAY.IOT15Minute	Total of OT minutes rate 1.5 for the payroll period. (Remaining minute)
PAY.IOT20Hour	Total of OT hours rate 2.0 for the payroll period.
PAY.IOT20Minute	Total of OT minute rate 2.0 for the payroll period. (Remaining minute)
PAY.IOT30Hour	Total of OT hours rate 3.0 for the payroll period
PAY.IOT30Minute	Total of OT minutes rate 3.0 for the payroll period. (Remaining minute)
PAY.IBasicRate	Basic salary rate of the employee, based on monthly or daily.
PAY.IBasicSalaryMonthly	Defined employee monthly salary.
PAY.IBasicSalaryDaily	Defined employee daily salary.
PAY.IBasicSalaryHalfDaily	Defined employee half daily salary.
PAY.IBasicSalaryHourly	Defined employee hourly salary.
PAY.IBasicSalaryPerMinute	Defined employee salary per minute.
PAY.IBasicSalary	Calculated basic salary for the payroll period.
PAY.IBasicSalary1st	Calculated mid month basic salary for the payroll period.
PAY.IBasicSalary2nd	Calculated end month basic salary for the payroll period.
PAY.IOT10Amount	Calculated total OT 1.0 amount for the payroll period.
PAY.IOT15Amount.	Calculated total OT 1.5 amount for the payroll period.
PAY.IOT20Amount	Calculated total OT 2.0 amount for the payroll period.
PAY.IOT30Amount	Calculated total OT 3.0 amount for the payroll period.
PAY.IUnPayDay	Calculated total unpay day for the payroll period.
PAY.IUnPayAmount	Calculated total unpay amount for the payroll period.
PAY.ILateInHour	Calculated total late in hour for the payroll period.
PAY.ILateInMinute	Calculated total late in minute for the payroll period. (Remaining minute)
PAY.ILateInAmount	Calculated total late in deduction amount for the payroll period.
PAY.IEarlyOutHour	Calculated total early out hour for the payroll period.
PAY.IEarlyOutMinute	Calculated total early out minute for the payroll period. (Remaining minute)
PAY.IEarlyOutAmount	Calculated total early out deduction amount for the payroll period.
PAY.ILunchLateInHour.	Calculated total lunch late in hour for the payroll period
PAY.ILunchLateInMinute	Calculated total lunch late in minute for the payroll period. (Remaining minute)
PAY.ILunchLateInAmount	Calculated total lunch late in deduction amount for the payroll period.
PAY.ILunchEarlyOutHour	Calculated total lunch early out hour for the payroll period.
PAY.ILunchEarlyOutMinute	Calculated total lunch early out minute for the payroll period. (Remaining minute)
PAY.ILunchEarlyOutAmount	Calculated total lunch early out deduction amount for the payroll period.
PAY.IEPFEmployee	Employee EPF deduction amount for the payroll period.
PAY.IEPFEmployer	Employer EPF deduction amount for the payroll period.
PAY.IEPFEmployee1st	Employee mid month EPF deduction amount for the payroll period.
PAY.IEPFEmployer1st	Employer mid month EPF deduction amount for the payroll period.
PAY.IEPFEmployee2nd	Employee end month EPF deduction amount for the payroll period.
PAY.IEPFEmployer2nd	Employer end month EPF deduction amount for the payroll period.
PAY.ISOCSEmployee	Employee Socso deduction amount for the payroll period.
PAY.ISOCSEmployer	Employer Socso deduction amount for the payroll period.
PAY.ISOCSEmployee1st	Employee mid month Socso deduction amount for the payroll period.

PAY.ISOCSEmployer1st	Employer mid month Socso deduction amount for the payroll period.
PAY.ISOCSEmployee2nd	Employee end month Socso deduction amount for the payroll period.
PAY.ISOCSEmployer2nd	Employer mid month Socso deduction amount for the payroll period.
PAY.IIncometaxEmployee	Employee Income Tax deduction amount for the payroll period.
PAY.IIncometaxEmployee1st	Employee mid month Income Tax deduction amount for the payroll period.
PAY.IIncometaxEmployee2nd	Employee end month Income Tax deduction amount for the payroll period.
PAY.IEPFDeductionAmount	Earning amount for EPF deduction.
PAY.IEPFDeductionAmount1st	Mid month earning amount for EPF deduction.
PAY.IEPFDeductionAmount2nd	End month earning amount for EPF deduction.
PAY.ISOCSEmployerDeductionAmount	Earning amount for EPF deduction.
PAY.ISOCSEmployerDeductionAmount1st	Mid month earning amount for Socso deduction.
PAY.ISOCSEmployerDeductionAmount2nd	End month amount for Socso deduction.
PAY.IIncometaxDeductionAmount	Earning amount for Income Tax deduction.
PAY.IIncometaxDeductionAmount1st	Mid month earning amount for Income Tax deduction.
PAY.IIncometaxDeductionAmount2nd	End month earning amount for Income Tax deduction.
PAY.IPayNetAmount	Net pay amount.
PAY.IEarningTotalAmount	Basic salary + Total OT amount.
PAY.ILessTotalAmount	Absent amount + Unpay leave amount + Incomplete amount + Late in + Early out + Lunch late in amount + Lunch early out amount
PAY.IAllowanceTotalAmount	Total allowance amount.
PAY.IDeductionTotalAmount	Total deduction amount.
PAY.IALDays	Numbers of annual leave for the payroll period.
PAY.IAIBal	Annual leave balance.
PAY.IMLDays	Numbers of medical leave for the payroll period.
PAY.IMLBal	Medical leave balance.
PAY.IILDays	Numbers of late in for the payroll period.
PAY.IEODays	Numbers of early out for the payroll period.
PAY.IEIDays	Numbers of early in for the payroll period.
PAY.ILODays	Numbers of late out for the payroll period.
PAY.ILLIDays	Numbers of lunch late in for the payroll period.
PAY.ILEODays	Numbers of lunch early out for the payroll period.
PAY.ILIEODays	Numbers of late in and early out for the payroll period.
PAY.IOT10Days	Numbers of days work for OT rate 1.0.
PAY.IOT15Days	Numbers of days work for OT rate 1.5.
PAY.IOT20Days	Numbers of days work for OT rate 2.0.
PAY.IOT30Days	Numbers of days work for OT rate 3.0.
PAY.IDays	Numbers of days for the payroll month. (eg: 28,29,30,31)
PAY.IWorkedDays	Numbers of days worked for the payroll month.
PAY.IWorkedHours	Numbers of hours worked for the payroll month.
PAY.IWorkedMinutes	Numbers of minutes worked for the payroll month. (Remaining minute)
PAY.IPayLeaveDays	Numbers of pay leave for the payroll month. (Annual and medical)
PAY.IUnPayLeaveDays	Numbers of unpay leave for the payroll month.
PAY.IOtherLeaveDays	Numbers of other pay leave days for the payroll month.
PAY.INWDays	Numbers of non working days for the payroll month.
PAY.IHolidayDays	Numbers of holidays for the payroll month.
PAY.IABDays	Numbers of day absent for the payroll month.
PAY.IICDays	Numbers of day incomplete for the payroll month.
PAY.IABAmount	Calculated absent deduction amount for the payroll month.
PAY.IICAmount	Calculated incomplete deduction amount for the payroll month.
PAY.IDaysToPay	To calculated no. of day worked for daily worker to be entitle for pay (option for pay on Annual, Medical, Other and holiday)
PAY.ISumTAPARA1	Total of TA formula parameter 1 for the payroll month.
PAY.ISumTAPARA2	Total of TA formula parameter 2 for the payroll month.
PAY.ISumTAPARA3	Total of TA formula parameter 3 for the payroll month.
PAY.ISumTAPARA4	Total of TA formula parameter 4 for the payroll month.

PAY.ISumTAPARA5	Total of TA formula parameter 5 for the payroll month.
PAY.ISumTAPARA6	Total of TA formula parameter 6 for the payroll month.
PAY.ISumTAPARA7	Total of TA formula parameter 7 for the payroll month.
PAY.ISumTAPARA8	Total of TA formula parameter 8 for the payroll month.
PAY.ISumTAPARA9	Total of TA formula parameter 9 for the payroll month.
PAY.ISumTAPARA10	Total of TA formula parameter 10 for the payroll month.
PAY.IPayTypeID	Salary pay type (Monthly / Daily / Hourly)
PAY.IPayPerMonth	Number of salary payment per month. (either 1 or 2)
PAY.IDateFrom	Payroll period from date.
PAY.IDateTo	Payroll period to date.
PAY.IOT15Formula	Formula for OT rate 1.5
PAY.IOT20Formula	Formula for OT rate 2.0
PAY.IOT30Formula	Formula for OT rate 3.0

Eg :

1. IIF(TA.STARTTIME = "#20:00:00#" AND ((TA.NW = 0 AND TA.ABSENT = 0 AND TA.INCOMPLETE = 0 AND TA.ONLEAVE = 0) OR (TA.NW AND TA.HOUR * 60 + TA.MINUTE > 0)))= -1,1,0)

OT Round Up Formula:

iif(ta.ot10minute mod 60 > 20,iif(ta.ot10minute mod 60 > 45,fix(ta.ot10minute/60) * 60 + 60,fix(ta.ot10minute/60) * 60 + 30)
,fix(ta.ot10minute/60) * 60)

iif(ta.ot15minute mod 60 > 20,iif(ta.ot15minute mod 60 > 45,fix(ta.ot15minute/60) * 60 + 60,fix(ta.ot15minute/60) * 60 + 30)
,fix(ta.ot15minute/60) * 60)

iif(ta.ot20minute mod 60 > 20,iif(ta.ot20minute mod 60 > 45,fix(ta.ot20minute/60) * 60 + 60,fix(ta.ot20minute/60) * 60 + 30)
,fix(ta.ot20minute/60) * 60)

iif(ta.ot30minute mod 60 > 20,iif(ta.ot30minute mod 60 > 45,fix(ta.ot30minute/60) * 60 + 60,fix(ta.ot30minute/60) * 60 + 30)
,fix(ta.ot30minute/60) * 60)