TimeControl® Creating your rate structure For more information contact: **HMS Software** 189 Hymus, Suite 402

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Table of Contents	2
Overview	1
Introduction	1
The Rates Table	2
Rates Table Display	2
Rate Information	2
Rate Type: Global	4
Rate Type: Resource	4
Rate Type: Employee	5
Expense Rates associated in the timesheet	7
Rate Hierarchy	10
Rate Filters in the Employee Table	11
Rate Labels in Manage Languages	13
Rate Defaults in MyAccount or Employee Table	14
Rate Default in the Project Table	16
Project Management Links	17
How are costs calculated?	19
Rate Security in User Profiles	20
Using Validation Rules to check rate selections	23
Extended Rates in TimeControl Industrial	25
Use-Case Scenarios	26
Time and Billing rates	26
Project Specific Rates	26
Rates when linked to Project Management	28
Rates when linking to an ERP	28
Managing hourly rates when salary cost must be calculated	29
Escalated Rates	29
Multi-currency Rate Issues	31
The No-rates Scenario	31
Questions and Answers about rates	34
TimeControl Rate Resources	36
TimeControl Feature List	37
HMS Software Partial Client List	38
About HMS Software	39
About TimeControl	39

Introduction

One of the most powerful aspect of TimeControl is the remarkably flexible method by which rates are applied to timesheet hours. As a multi-purpose timesheet, TimeControl's rates may have to serve numerous purposes. In other timesheet systems, the designers typically think of rates only for the purpose or system for which the timesheet is designed. It is not uncommon in some systems to find limitations on rates or on how many costs can be calculated or on how many rate codes an employee might have.

TimeControl's flexibility allows it to be used for multiple purposes at once. In a scenario where the timesheet data is being used to link to more than one system, what the rates will do in that timesheet becomes a more important aspect of the design.

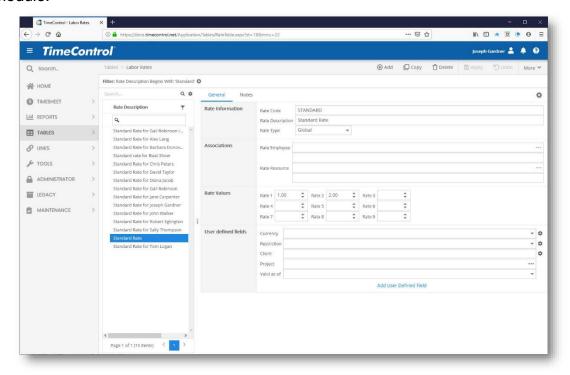
As you'll see in the coming pages, the TimeControl Rates environment is configured with many options and touches several aspects of the TimeControl timesheet system.

In this tutorial we'll look at the functionality and options for each TimeControl area of configuration or functionality and then go deeper to talk about some of these functions in context of different use-case scenarios.

Rates Table Display

The story about TimeControl rates starts with the Rates Table. This is a rather simple table where the only required fields are the Code, Description and Rate Type. Rates are displayed in a list on the left hand side and the details of the selected record are displayed on the right.

Rates can be entered manually one at a time or imported in volume using the Links module.



There is no limit to the number of rate codes that can be entered and no limit to the number or rates an individual employee has access to. The only limits are those you create yourself using filtering.

The Rates detail view allows notes to be added for each rate record in a separate tab and, in the main tab, data is divided into four categories:

Rate Information

Rate Code:

Unlike other TimeControl tables, the Code does not need to be unique here. We can have many rates that have the code name "Standard". TimeControl adds several fields together to ensure a unique selectable value for the employee's timesheet. For Global Rates, TimeControl uses the Rate Code and Rate Type (Global) to be unique.

For Resource-based rates, TimeControl combines the Rate Code, the Rate Type (Resource) and the Resource Code to be unique. For Employee-based rates, TimeControl uses the Rate Code, the Rate Type (Employee) and the Employee Code to be unique.

If in the timesheet selection TimeControl finds more than one rate code for the employee with the same code (e.g. A Global and a Resource) then it will only show the rate code which is most specific to that employee. For multiple rate codes with the same Rate code It will give preference to an employee-based Rate Code then to a resource-based Rate Code then finally to a global-based Rate Code.

Associations

In the Associations area, TimeControl will activate the Employee Code/Description if the Rate Type is "Employee" or the Resource Code/Description if the Rate Type is "Resource".

Multiple Rate Values

By default, TimeControl supports 9 values for each Rate Code. New users to TimeControl will sometimes confuse the Rate Value with a Rate Code. For each Code, you can enter 9 definitions of what that time should be priced at. The Rate Value is defined in hours.



Some organizations will assign one of these values to the internal cost and another value to the invoice price. Then, each time a timesheet is posted, it will multiply each value times the number of hours (or fraction) and store the result in a cost field associated to the rate value. The Posted Detail table which contains the timesheet data after it's posted will have a Rate Value 1 that matches a Cost Value 1 and a Rate Value 2 matched with a Cost Value 2.

This simple concept results in a powerful combination of how costs are managed in TimeControl. An organization can simultaneously price the same hour of work in multiple ways. There could be an internal cost of that hour that would match payroll, an external price for that hour that would appear on invoicing and perhaps even an average value project cost that could be used to compare costs in a project management system.

With so many values available, an organization can use other values for other purposes. A separate currency could appear in one value so that an hour of work could appear in a local currency value and have an associated base-currency value. In a single TimeControl report, both US dollars and Euros could appear. Using calculated fields in the TimeControl Report Designer, you could show the profit by

comparing the Cost Values of the Internal Cost with the Cost Values of the Invoice Price.

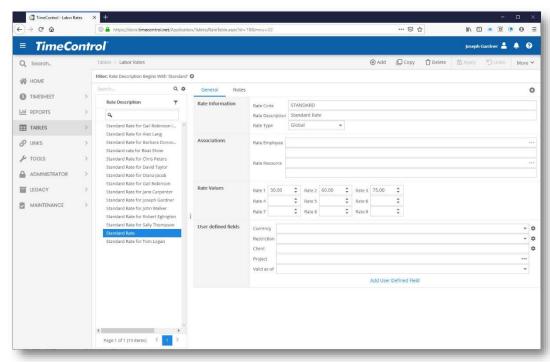
User Defined Fields

Finally, as is the case in all TimeControl Tables, user defined fields can be used to further categorize the rate code. You'll see a specific example later in this paper on how to use user defined fields to make project-specific rates but rates can be categorized by almost anything and user defined fields are excellent for that.



Rate Type: Global

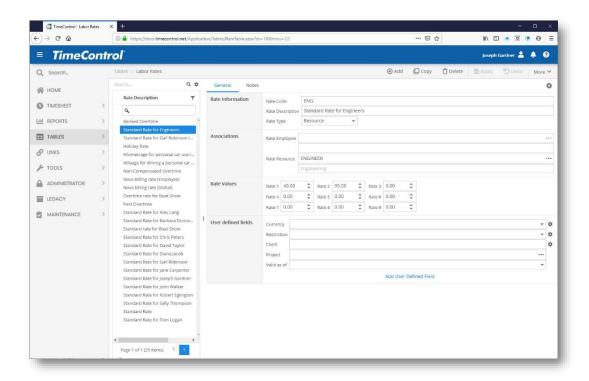
The first type of rate that can be created is a Global rate. A Global rate will be available to all employees unless it is hidden by a Rate Filter in the Employee Table.



When we select a Global Rate Type, the options in Associations are greyed out and unselectable.

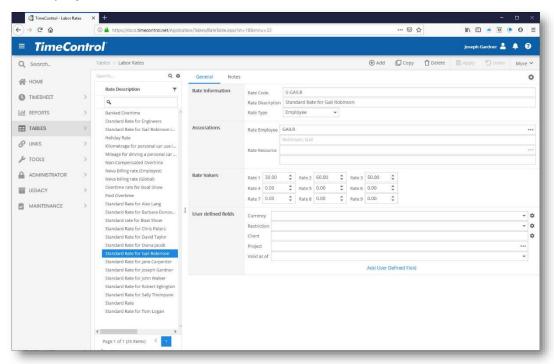
Rate Type: Resource

You can also define rates at the Resource Level. If a Rate Type of Resource is selected, the Association must be entered to select which Resource this Rate is linked to. If on the timesheet, TimeControl detects both a Global Rate Code and a Resource-specific Rate Code which are identical, it will select the Resource Rate Code as that is more specific to this employee.



Rate Type: Employee

You can select an Employee Rate Code by choosing a Rate Type of Employee in which case you must complete the Employee selection in the Associations area. If on the timesheet TimeControl detects either a Global or Resource Rate code with the same Code name, it will show the Employee-based Rate code as that is more specific to this employee.



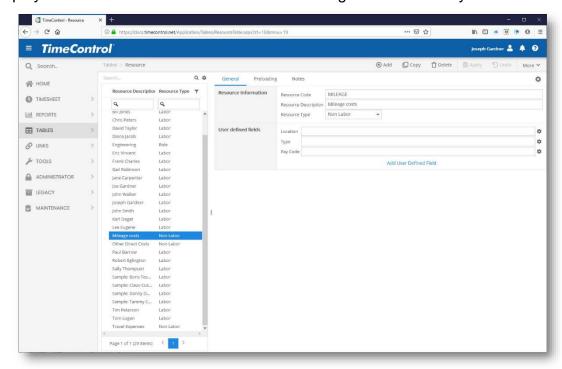
There is no limit to the number of rate codes that can be Employee specific. For example, it is not uncommon to have regular and overtime rates for each employee and each project. Then TimeControl would only show this employee's rate selections to them on the timesheet. If a filter further constrained this to show project-specific rates, an individual would only see two choices (regular and overtime) for each project line but in the background, TimeControl might be managing a table with thousands of Rate Codes in order to show only those two in that situation.

Expense Rates associated in the timesheet

TimeControl can also associate rates to expense items. This will allow a predetermined value to populate the dialog in a timesheet expense item entry.

To do this we need to first set up a resource that will be referenced in an expense line item that is in a timesheet.

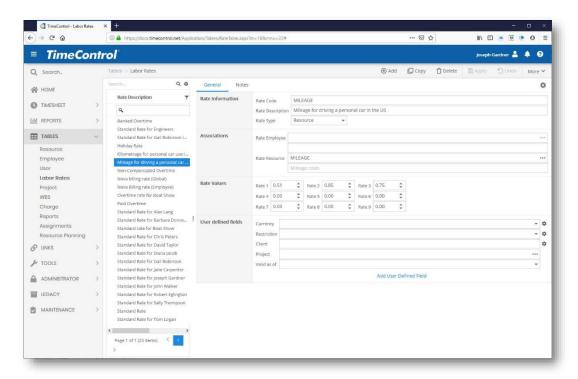
In this example we will add a resource for mileage. In the Resource Table we add the resource "MILEAGE" and declare it to be a "Non-Labor" type. TimeControl will display a list of Non-Labor resources when adding a resource entry.



Once the resource is present, we can now go to the Rate Table.

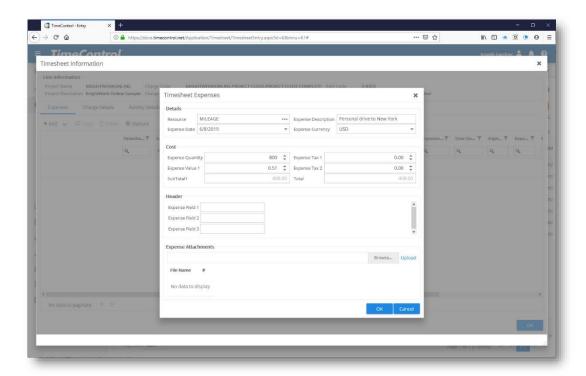
We will create a new rate and again call it "MILEAGE". We select "Resource" as the Rate Type. When we click in the Resource field, we will see a list of possible resources. We'll select the "MILEAGE" resource we just created.

In the Rate Values we'll add "\$0.51" for Internal Cost (Rate Value 1.



When we save this, it will now become available for expense entries as we'll see in the next screen.

Now we go to a timesheet, add a line and click on the "+" button to expand the timesheet line to show Expenses. Add an expense entry either in the grid or, as we see below, by hovering over "Append" in the Expense grid to get the Expense dialog.



The user selects "MILEAGE" as their expense entry and then enters the quantity. When the quantity of 450 miles is entered, TimeControl automatically calculates this at \$0.51 per mile or \$229.50 as a Sub-Total. The user can then enter optional values for taxes and the grand total is calculated.

In System Preferences, in the Tree View Fields selection, there is an option for how to display rate codes. You can select one or several fields in order and TimeControl will build a hierarchy with those fields each becoming a different level. If we select the Rate Type for example, the Rate Table view will change. If we now go back to the Rates Table we can see that the rates are now displaying in a hierarchy based on Rate type.



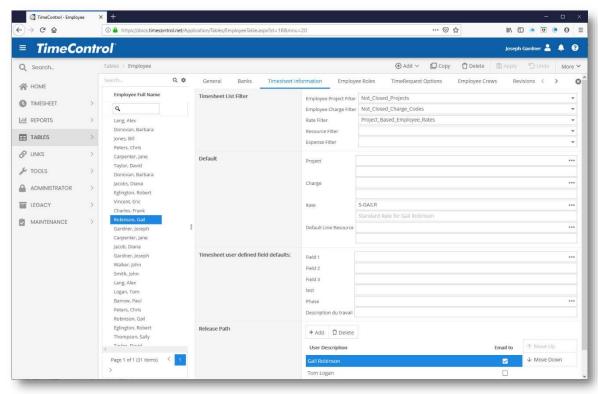
The hierarchy defined will appear anywhere rates are selected. In the screen below we can now see the hierarchy in the Rate Table. This same type of tree structure will be found also in the timesheet selection, the default rate selections and elsewhere. If there is a filter that shows only some Rate Codes, the tree structure will appear only for those elements which have a Rate Code within them.

This is true also for anywhere else rates are displayed. Going to a user's timesheet and selecting the rate choices will show only their appropriate rate choices but will display them in the hierarchy defined in System Preferences.

Rate Filters in the Employee Table

One powerful aspect of Rate management in TimeControl is to filter what Rate Codes will appear for a particular situation. You can filter rates by any dynamic selection you wish and have only those rates appear. For example, you might want to filter rates to show only the current year's rates and on the first of the year start showing only next year's rates. That enables escalated rate management. Or, you might have a situation where based on the client, project and role, different rates should be visible and that the employee must select only from those.

This is activated in the Employee Table view. As we can see here, for this employee, we are selecting a filter that says only rates associated to their project are shown.



Making such a filter is fairly straightforward in the TimeControl filter menu.

This particular example is in the following screen.



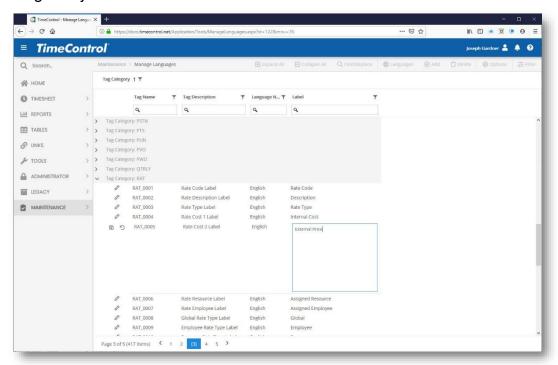
In this case we're using one of TimeControl's value macros for filters. The full expression is:

SELECT RAT_KEY FROM RATE WHERE RAT_FLD4="%TSL_PRJNM%"

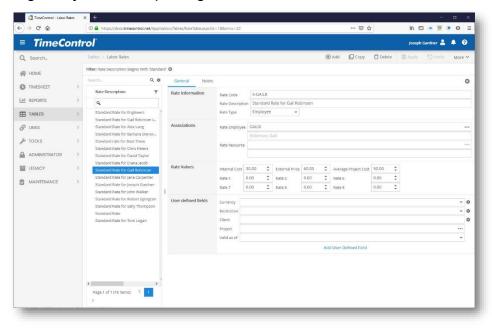
This expression says: Show only the rates where the value found in Rate Table User Defined Field #4 is equal to the project name of that timesheet line number (TSL_PRJNM).

Rate Labels in Manage Languages

TimeControl is a multi-language system but it also allows you to change the menu names, field names, messages and other terms in any of the existing languages. We can use this to make our Rates more clear. This next screen shows the Manage Languages function where we can find an existing term like "Rate 3" and change it to "Average Project Cost"

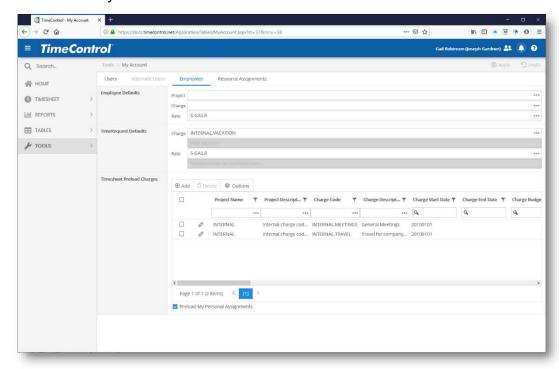


Back in the Rate Table, you can see that we now have Internal Cost, External Price and Average Project Cost replacing the labels "Rate 1", "Rate 2" and "Rate 3".

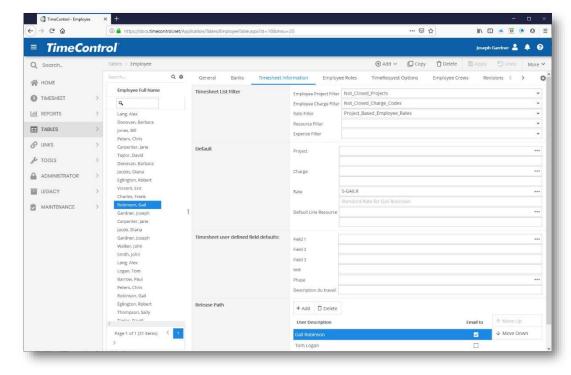


Rate Defaults in MyAccount or Employee Table

Users can save time on their timesheets by selecting a rate code that they use most frequently. This can be done by the individual user on the Employee Tab of the MyAccount function. MyAccount is at the top right of the screen. The Employee is able to select any rate that is available to their view.



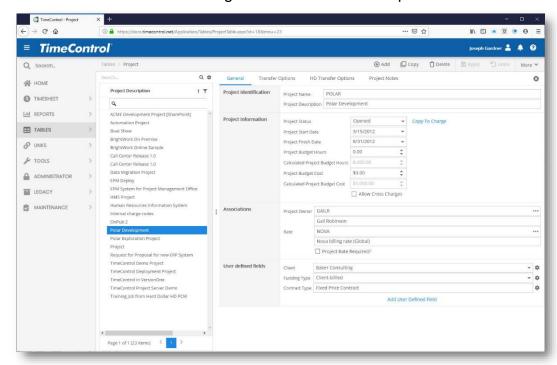
Administrators can set up default selections for employees in the Employee Table. The Timesheet Information Tab allows for the Default Rate Code to be selected.



A Def save	ault Rate is a require a lot of time.	ment for TimeCon	trol Pre-Loading o	f timesheets and it can

Rate Default in the Project Table

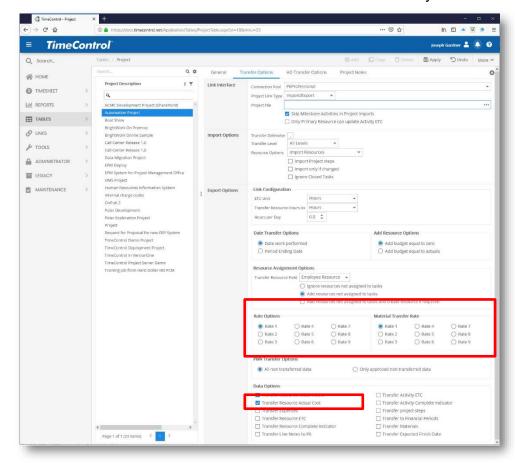
Some organizations will want to set a default rate for a project. If this is the case, a rate can be set up for each employee with the same name such as "NOVA" for all Nova projects. Each employee would have an Employee-based rate code of NOVA available. We'll also need to create a Global rate of NOVA in order to make it the project default. In the project table as we see below, we've done a selection of a rate as the default. Only Global rates can be selected here as we don't want the situation where a rate was selected but might not be available to a particular user.



With this rate now in the project table, whenever this project is selected in the timesheet or is part of a pre-load, this rate code will be the one that TimeControl inserts by default in the rate column. If there is an employee or resource-based code called Nova which is more specific to that employee, then that will be the particular "NOVA" that TimeControl uses during the Posting process.

The "Project Rate Required" option will force the selected Project Rate to be the one associated to that project so there is no mistake by the end user.

When sending data back to a project management system one of the options is to send back the costs. The Rate Value selected will be a key decision here.



In the Project Table or in the Links Wizard, two options are presented that reference the Rate Values. First, decide at the bottom of the page if you are going to transfer the actual costs at all. If not, there's no need to select the rate value. If you intend for the project management system to take the hours as uncosted data and do its own calculations with the rates it has stored, then don't transfer the actual costs in order to avoid double counting or ending up with unsynchronized costs which don't match.

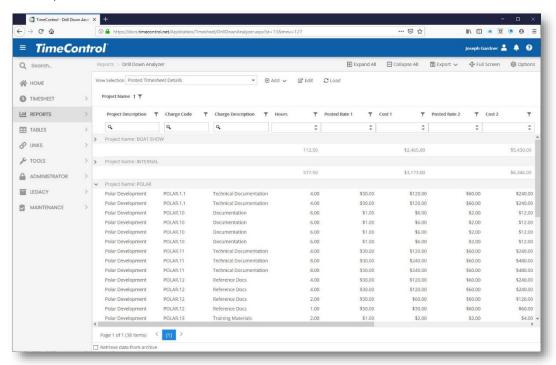
If the intent is to have TimeControl's costs match the project costs in the project management system, then select one of the 9 Rate Values to transfer. TimeControl will take the Posted Cost for that associated value and send that information to the project system.

Some organizations will want to send the internal cost. Some will want to send a billing value and others will want to use an average project cost value. This last concept is fairly common among those who have had to wrestle with managing restricted rate functionality in the project system and trying not to do too much accounting in the project system.

One thing to avoid here is to transfer the data to the project system and then use the project system to transfer it again for invoicing, payables, payroll tax reporting or any other auditable purpose. Given you already have the auditable data in TimeControl, it's unlikely that that the project system will give any additional added value to the costing data. You can make a link instead directly from TimeControl to the financial system that needs it.

TimeControl posts the costs that are associated to each Rate Value during the Posting Process. For each of the 9 Rate Values, TimeControl will create a corresponding Cost on the Posted Detail record. Since this is done at the moment of Posting, if rates have changed during the week, the rate that is present at the moment of Posting will be the one used for the calculation.

In this next screen we can see the Drill-Down Analyzer showing data for a project with the hours, 2 Rate Values and the associated Costs:



Looking in a bit more detail, you can see that on the first line, there is an entry for 4 hours of time and based on the rate code selected for that timesheet, there was a Rate Value 1 or Internal Cost of \$30.00. The Posted cost is 4 x \$30.00 or \$120.00.

On the same line, the Rate Value 2 or external price rate is 4 hours with a Value of \$60. The Posted Cost 2 for that entry is 4 x \$60 or \$240.

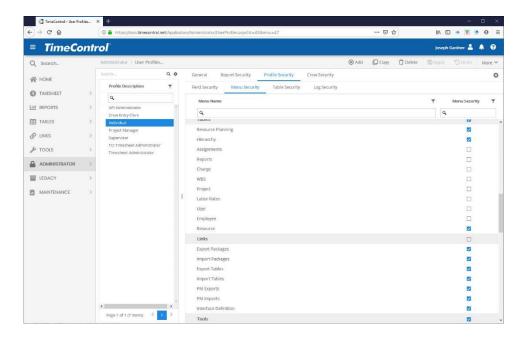
So, for this entry we can see values that might have represented the Internal Cost and the External Billing value for the same timesheet entry. The end user doesn't ever see this of course. They simply chose the appropriate rate code based on the codes available to them. The values of these entries were never displayed to the end user.

Rates are considered very sensitive in most organization. If the rates include personnel salary or wage data there may be privacy issues that are mandated by law to ensure that the rate data is not displayed.

The main areas of User Profiles that can secure Rates data are in the User Profiles security screens.

In the menu area, you can turn off access to the entire Rate Table, thus hiding it from view. Most users will not require access to the table anyway and it is a basic tenet of security design to not give access when no access is needed.

This screen shows the User Profiles menu page. You can remove access to just the Labor Rates menu selection or turn off the entire Tables Tab (as is done in this example) so users with the Individual User Profile will not see any table selections in their menu.

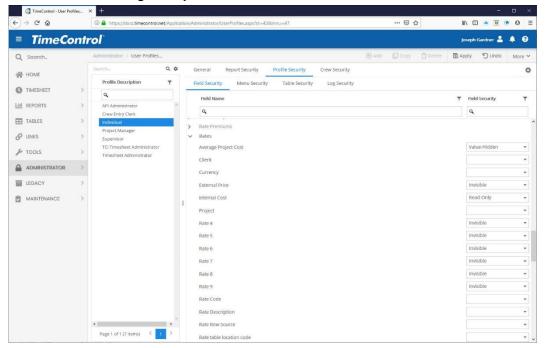


The User Profiles Field security screen allows you to define any field in any table as visible (blank = no constraint), Read-Only, Value Hidden or Invisible.

- A blank entry would mean the field label is visible and the field value is editable.
- An entry of read-only would mean the field label is visible and the field value is visible but not editable.
- An entry of value-hidden would mean the field label is visisble but the field value is not visible and not editable.
- An entry of invisible would mean that the field label is invisible and the field

value is not visible and not editable.

This next screen shows the Internal Cost Value as Read-Only, the External Price as Invisible and the Average Project Value as Value Hidden.



When these selections are made, they are honored across the entire TimeControl system. For example, if you have made Rate Value 1 as invisible, then the Rate won't be visible in the Table view but it also won't be visible in reports, in exports or anywhere else. Remember, you may need to also secure the Posted Cost fields in the Posted Detail table.

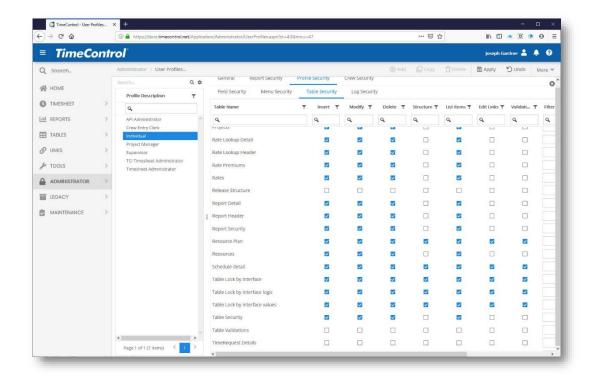
A final place to think about security of the Rates Table is in User Profiles/Table Security.

There are several options for each table including the Rates Table that can be established in this area and are specific to that User Profile so that different rights can be associated to different groups of people.

Even if a role has access to the Rates Table, you can define whether a user with that role can:

- Add (Insert) a new record
- Edit (Update) an existing record
- Delete a record
- Add a new User Defined filed (Structure) to the table
- Change the Links for the User Defined Fields (Linked Fields)
- Add Values to the pop-up list for a User Defined Field (Edit Links)

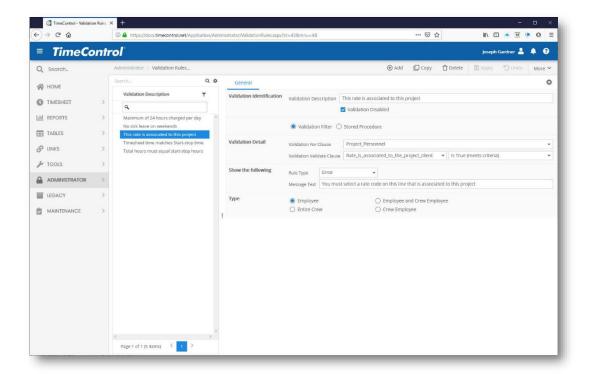
The last value on the right hand side of the security screen says "Filter". This can be used to apply a filter from the Filter Table when accessing this table. This feature would allow an organization to have some Rate Administrators who could see one department and other Rate Administrators that would see any other department.



Using Validation Rules to check rate selections

You can use TimeControl's extensive Validation Rules system to check for anything else that may be Rate related. You can use the Employee-level filter to only show certain rates for certain conditions but the Validation Rules would check and deliver either a warning or an error based on the rates selected.

For example, we could check timesheets for only project personnel to see if the Rate Code selected on a timesheet line was associated with the proper project such as was shown above in the "Project Specific Rates" example.



In this case the Detail section shows how we are applying this rule only to Project Personnel by selecting the Filter called "Project Personnel". Then in the next line we are validating for "Rate is Associated to the Project by selecting the filter for that.

Here's the example filter that would be used in such a validation rule.



In this case we're using one of TimeControl's value macros for filters. The full expression is:

SELECT RAT_KEY FROM RATE WHERE RAT_FLD4="%TSL_PRJNM%"

This expression says: Show only the rates where the value found in Rate Table User Defined Field #4 is equal to the project name of that timesheet line number (TSL_PRJNM).

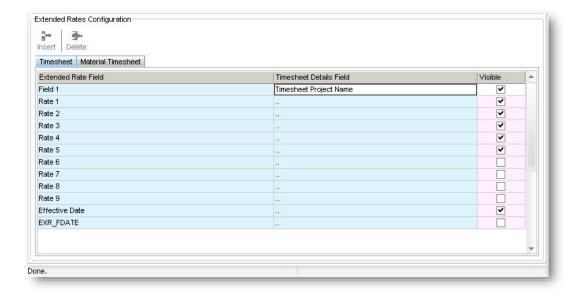
Extended Rates in TimeControl Industrial

TimeControl Industrial includes all the remarkable Rates functionality we've seen above but goes one step further when entering Crew Timesheets. The Crew Timesheet Module of TimeControl is designed to enter a high volume of timesheet data in the field as part of Field Data Collection for Labor, Equipment and Materials. There may be hundreds of possible rate combinations and these have to be properly selected on the Crew Timesheet. TimeControl Industrial includes a function call "Extended Rates" which makes the proper rate selection based on the information in finds in each line. For example, if there is a premium for a particular project when working on the night shift and the shift number is on the timesheet line, TimeControl can automatically see both the project column entry and the shift column entry and then make the appropriate rate selection for that employee. Numerous columns can be matched in order to do this.

The Extended Rate table is very simple. It has a number of columns that are matched in the timesheet and then the Rate Values (1 through 9) for that Rate selection.



The definition for this is made in the System Preferences area of TimeControl Industrial where the fields in the Extended Rate Table are matched to those in the Crew Timesheet.



Since 1994 when TimeControl first appeared in the market, HMS has been asked to solve timesheet challenges that involved rates functionality. Here are several of the most common business situations and how you can overcome these challenges using the functionality we've described above.

Time and Billing rates

If you are using TimeControl for time and billing, you'll need to use rates to track the billing price in order to make invoices from the TimeControl data. You may also need to track internal costs as the profit for each hour worked would be the difference between the billable price and the cost. So it's typical to use at least two Rate Values.

Billing rates are likely to have the complexity of being specific to a client or to a client and contract. In this case, use one of the user-defined fields to identify the client and/or the client's contract so those rates can be associated to the correct category.

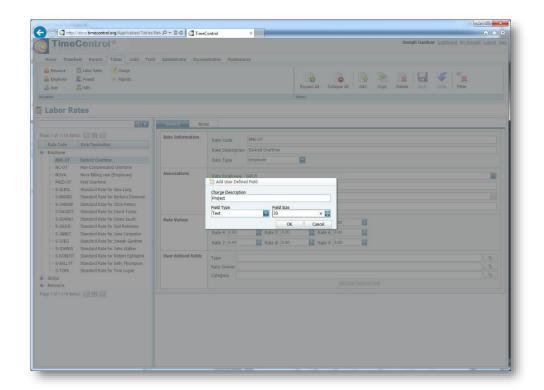
In some billing scenarios, the invoicing is done based on the role rather than the employee. This can be easily accomplished by using either resource rates or by making a rate code for each role/person. While this might result in a large volume of rates, you can use the Rate Filters in the Employee Table to reduce the number of rates to those specific to the employee and the line they are working on.

You can find out more about Time and Billing Rates on the TimeControl Website in the Time and Billing Solution area at: www.timecontrol.com/solutions/timebilling/.

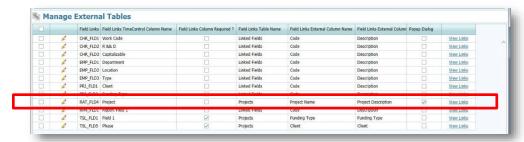
Project Specific Rates

Some organizations have asked to have multiple rates associated to each project and then display only those rates on a timesheet line when that project is selected. We call this project specific rates.

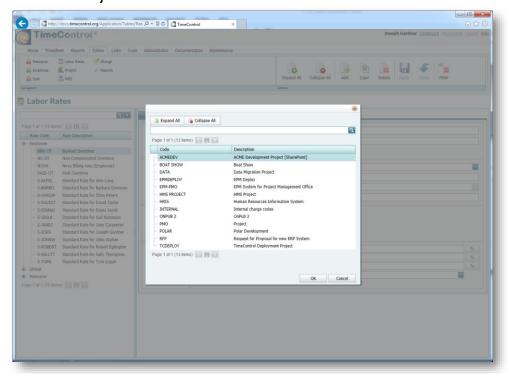
To do this, start with creating a user defined field on the Rates Table. You'll need rights to Change the "Structure" in User Profiles Security.



Once the field is created, go to Manage External Links / Manage External Tables and associate the new User Defined Field to the Project Name and Description files in the Project Table.



Now in the Rates Table we should be able to get a drop-down or pop-up list of Projects to which each rate code can be associated.



All that's left to do is create a filter that will only show the appropriate rate that is associated to the project in the timesheet line. We've described that example in the Rate Filters in the Employee Table earlier in this document.

Rates when linked to Project Management

When linking to a project management system, there are a couple of things to think about. First, do you want to send only the hours and keep the actual and billable costs in TimeControl or do you want to send the fully costed information to the project system?

If you have decided to send the fully costed information to the project system, the next decision is what value do you want to cost at? Will you manage your project costs at an internal cost value, external pricing value or, and this is quite popular, an average project cost value.

Once you've decided which Rate Value will be used for linking to project management, it's best to lock that in place so that there is no confusion by transferring with a different Rate Value in the middle of the project.

Rates when linking to an ERP

When linking to a Finance System or ERP, the first question to be asked is what will be done with the information. It is common, for example, to use TimeControl for Time and Attendance data for the Payroll system. If this is the case, then it is likely that the payroll cost won't be required. All payroll systems typically do their own calculations. What may be critical however, is that the rate codes might require some user defined fields to be established to deliver certain codes to payroll. It might be critically

important for example to have a code that identifies each Rate Code as a regular or overtime code or a Payable or Non-payable code for payroll.

If the data will be used for Invoicing then the same logic applies. Will we need the pricing values from TimeControl or just the hours.

When we are linking to multiple systems such as <u>both</u> Payroll and Invoicing then using the User Defined Fields in the Rate Table and the Rate Values in each Rate Code will allow you to distinguish which information is transferred to which system.

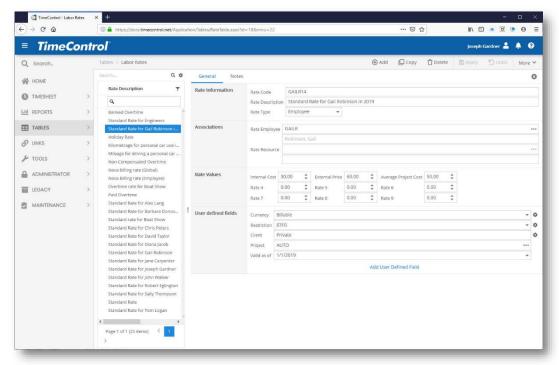
The beauty of the TimeControl system is the manner in which multiple systems can be serviced simultaneously.

Managing hourly rates when salary cost must be calculated

You can do both hourly billing and salaried cost in TimeControl. The simplest way to do this is to have a "regular time" rate in which the annual salaried cost is divided by the number of working hours per year. For example, a 40 hour workweek will give us 2080 hours per year of workable time. Divide this into a \$65,000 per year salary and we know we need to account for exactly \$31.50 per hour. We can then make a validation rule to insist that every timesheet have exactly 40 hours using the "regular time" rate. Any other time such as overtime for example, would have to use a different rate. In the overtime rate, the internal cost would be zero and the billable cost would be the billable price value.

Escalated Rates

Some organizations have a rate situation where rates will change automatically on a given date. If, for example, an organization will have rates after January 1st reflect the next year's billing values, TimeControl can use Rate Filters and a user-defined field to support this.

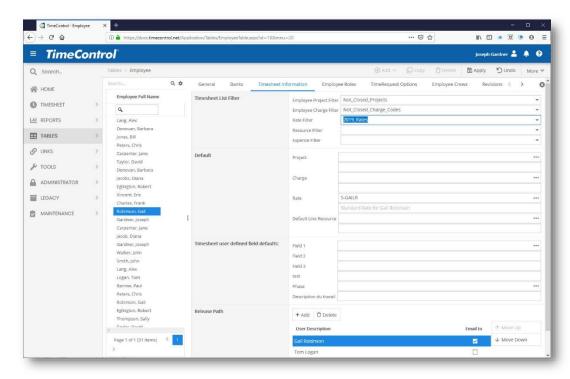


To accomplish this, first create a field in the Rates Table to hold a date. This will be the "Valid as of" date to use in escalation. You'll need to go to new rates and add the value in each rate for the New Year.

Now you'll need to create a Rates filter which refers to that field and says to show only those rates with a value higher than that field.

Finally, you'll need to reference this filter in the Employee Table in the Rates Filter area of the Timesheet tab.

This example will ensure that as of the first of January 2019 only those rates which are 2019 rates will appear and will be selectable on the timesheet. The definition could be set up months in advance and would not be visible to end users until the New Year occurred.



There is one additional challenge which might occur when the New Year (as is the case for 2019) or the escalation date falls in the middle of the week. If this must be accommodated, then use partial posting (which is described in the TimeControl Reference Guide) to post the first part of the week with the earlier rates and then do the regular posting which will catch the remainder of the lines at the end of the week.

Multi-currency Rate Issues

While TimeControl does not automatically convert multiple currencies, the enormous capacity of the Rates system does allow for several ways to manage multiple currencies and report on them at the same time.

You could, for example, use one of the 9 Rate Values for each rate code to have a foreign currency value. Then at posting time, this value could be used to translate to a base currency in a TimeControl Post-Posting procedure in which a list of currency exchange values is polled either internally or on a service on the Internet.

There is more information on this subject on the TimeControl blog at: https://blog.timecontrol.com/managing-multiple-currencies-in-timecontrol

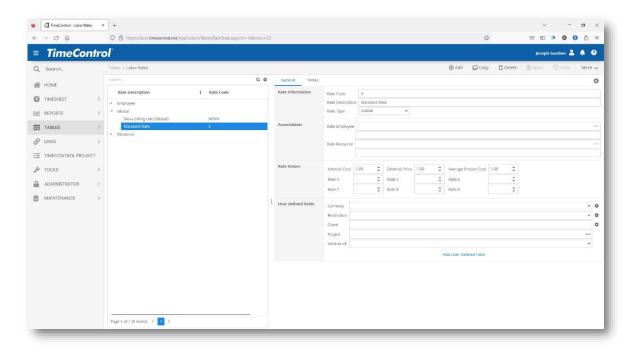
The No-rates Scenario

While TimeControl's rate architecture is extensive, there are some clients who do not need to use it. There may be numerous reasons for a client to decide on a no-rates approach. Perhaps rates are already managed elsewhere such as in a payroll system. 'If we just got the accurately categorized hours,' they say, we could easily do the rates calculations here in payroll where the rates exist already. Perhaps the client doesn't need a 'down-to-the-dollar' standard. It might be enough for them to use hours and an averaged rate calculation directly in a project system. Perhaps trying to multiple rates is a phase of using TimeControl that is planned for the future.

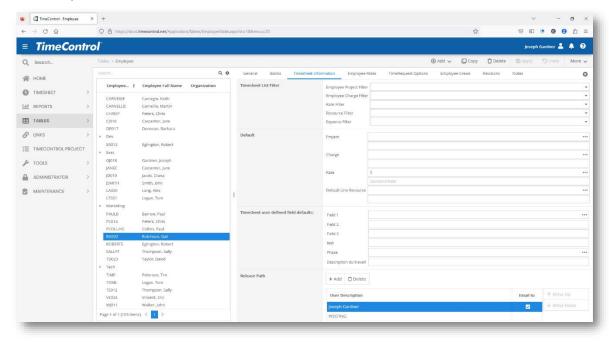
TimeControl's flexibility isn't restricted to how to handle complex timesheet elements. It can also be used to make some features simpler or to eliminate the feature altogether. 'But wait,' you might say. 'Aren't rates a required element of TimeControl?' Yes they are. But the need to display them can easily be configured away.

Here's how to create a no-rates approach:

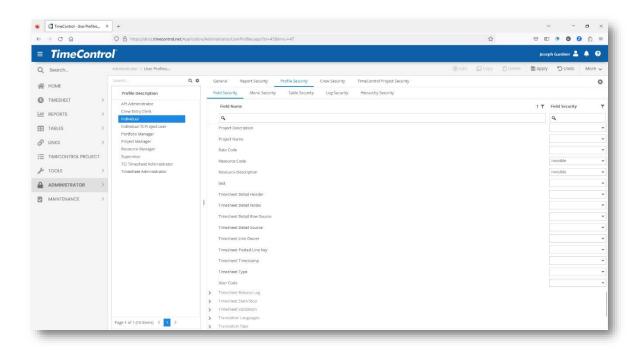
First, create only a single global rate. Let's call the rate code "S" for Standard" and let's give it a value of \$1.00. That can come in handy later. Now every hour will equate to \$1.00 dollar worth of time. Since this single rate is a global type, it will be visible to all employees.



Next, make the 'S' rate the default for all employees. If you haven't entered any employees yet, then putting the 'S' default rate into the Default Employee Table Template will have that 'S' standard rate automatically appear for everyone. Make sure that the 'S' rate is applied to all employees. Now the 'S' standard rate will be inserted into every single timesheet line including those created by AutoFill or TimeRequest. And that rate will be inserted whether the field is shown or not!



Finally, in User Profiles, hide both the Rate Code and Rate Description fields for all timesheet entry users.



That's it. You now have configured TimeControl so that users will not see the rate code but it will be created and for all users and all timesheet lines, the value of each hour will be 1 dollar. Rates are hidden but they are being used properly.

This means that all standard reports that might have used rate cost values will now show just the hour values because of using one dollar per hour for the rate. You can relabel those reports to use for other purposes.

Remember that the rates functionality hasn't gone away, it's just been masked and, moreover, while we've just described how to create a no-rates system for everyone, you could elect to have this for only some employees while other TimeControl users would use rates in a more traditional fashion. All that would be needed is to ensure the User Profiles for the no-rates approach and for other employees are different.

Questions and Answers about rates

Question: How many rates can an employee have?

Answer: There is no limit to the number of rates that can be selected by an

employee.

Question: How many rates can be put on a single timesheet?

Answer: One per line

Question: What if I want to track burdens on a rate?

Answer: You can use one or more of the 9 Rate Values or one or more of an

unlimited number of user defined fields to record the burdens. If the Rate Values are used, the values will be multiplied by the number of hours in an associated cost field during Posting. You can then report on

these costs in the Reporting system.

Question: If a Debit/Credit is used to adjust a timesheet later and the rate has

changed, will the new rate be used or the old one?

Answer: If the rate has been changed, then the Debit/Credit will be calculated at

the new rate. In order to do an adjustment which would reflect both the old and new rate, a new rate could be created and the Debit done with

the old rate code and the Credit done with the new rate code.

Question: How could we do escalated rates?

Answer: Create rates for the escalation date and use Rate Filters to show the old

rate code up until the escalation date and the new rate codes after the

escalation date.

Question: Our rates will be changing on the first of the year which is mid-week.

How do I have rates change in the middle of a timesheet period?

Answer: Use Partial Posting to post the first part of the week at the old rate

values, then change the rates to the new values and post the rest of the

week normally at week's end.

Question: Can we just take the rates from an external system?

Answer: Sure. The Links module allows you to import rates that have been

exported from another system to an Excel or CSV file.

Question: Can we transfer the rate codes from TimeControl to Microsoft Project,

Primavera or some other system?

Answer: This is a question for the publishers of the systems you are thinking

about but for any transfer to work, the destination system must be able to accommodate the data. TimeControl's rates can have 9 values. If the destination system does not have such capabilities, the data will have nowhere to be accommodated. TimeControl can have an unlimited number or rates per employee. If the destination system does not

support this, the transfer had nowhere to put that data.

Question: Are rates required on every timesheet line?

Answer: Yes. A rate code must be selected on each timesheet line

Question: We don't use rates and I don't want users to have to see them or select

them. Is there any way to turn rates off?

Answer: You can hide rates rather easily. If each user has a default rate value

(such as "S" for standard), then hiding the field in User Profiles Field Security will have that column disappear from the timesheet and, even though it will be populated with the default value, no user ever needs to

look at the rate codes again.

Question: At what level of time resolution is the Rate Code calculated into a Cost

Value?

Answer: At the minute. All TimeControl times are stored internally as minutes.

During the Posting process, the cost values are defined as the number

of minutes times the (Rate Value/60).

Use Case Scenarios

www.timecontrol.com/use-cases

We have created numerous solution portals with resources for different situations. In many of these situations we discuss some aspect of rates and costing. There are use case scenarios for project management, HR, Billing, linking with different products, specific approvals to be compliant with the DCAA and more.

TimeControl Free Hosted Trial

Freetrial.timecontrol.com

You can try TimeControl yourself to see or try any of the features that have been described here. Go to <u>freetrial.timecontrol.com</u> to register for the free trial.

TimeControl Reference Guide

The TimeControl Reference Guide includes more extensive descriptions of all the rate management mechanisms discussed in this paper. You can access the guide as part of the TimeControl Free Hosted Trial system in the Documentation tab or on your copy of TimeControl.

TimeControl Blog

blog.timecontrol.com

The TimeControl blog contains numerous discussions of approvals done in different circumstances and tips and techniques on how approvals functionality can be used. It's a good place to keep up on tips from the TimeControl technical and deployment staff.

Easy to use Interface

- Full web-based browser interface with multiple browsers supported
- TimeControl can be implemented within a SharePoint interface or a Microsoft Project Web Access interface
- Scaleable user profiles facilitates use for data entry users yet provides full functionality for administrators
- Multilingual with multiple languages included
- Unlimited charge codes displayed in simple, hierarchical dropdown lists
- Unlimited free-form notes for each line item and each timesheet
- E-mail-enabled. E-mail messages sent for system notices such as rejected timesheets or missing timesheets
- Schedulable E-mail notification for missing or unapproved timesheets.
- Predefined timesheets based on resource assignments from the project management system or by user input

Robust Architecture

- Open database architecture; support for Oracle, Microsoft SQL Server, Sybase and MySQL databases
- N-tier architecture makes system scaleable for 10 to 100,000 users
- Unlimited rate codes per employee
- Field-level security. Make any field visible, value read-only, or invisible
- Complete redefinition of every field label
- · Complete auditability of timesheet data
- User-defined fields on every table
- · Add pop-up data validation for each user-defined field
- Allows charges to be linked to a specific project or projectindependent
- Multiple overhead charge types
- Filter charge codes, projects and rates visible to any employee

Web Interface

 MyTimeControl™ home page dashboard gives extensive and customizable dashboard information to employees

Mobile App

 The free TimeControl Mobile App is available on Google Play for Android devices or the Apple store for iOS devices

Approval Process

- HMS's unique Matrix Approval Process for Labor Actuals™
- Unlimited automatic Validation Rules are user defineable, flexible and can be applied globally or to any group or even an individual
- Unlimited manual validation levels in which each employee can have a unique approval routing
- Project Managers or Account Managers can preview and redistribute hours prior to linking with a project management system or exporting to Finance

Links to Project Management

- Direct integration with popular project management systems such as Microsoft Project, Project Server and Project Online, Oracle-Primavera Pro and Primavera EPPM, Hard Dollar, VersionOne, BrightWork, ARES PRISM, JIRA and Deltek EPPM
- Supports multiple project management systems and multiple versions simultaneously
- Customizable import/export function to interface with virtually any finance or ERP system including SAP, Oracle, PeopleSoft and Microsoft Dynamics
- Interface can be integrated directly into SharePoint, Microsoft Project Web Access or stand alone

Time-off Request

- TimeRequest™ module allows vacation, personal or other leave time to be requested
- TimeRequest allows multiple levels of approval
- TimeRequest automatically populates future timesheets with approved time off

Flexible Reporting

- Excel-like reporting format allows output to any Windowscompliant printer or reports can be saved as Excel, XML or HTML files
- Reporting Wizards allow an unlimited number of reports to be created and saved for later use
- Unlimited levels of data selection, filtering and sorting
- Drill Down Analyzer provides instant ad-hoc analysis of data at any level

Expense Reports

- Users can enter non-labor costs on their timesheet
- Unlimited number of expense items per timesheet line item
- Expenses can be tracked back to a project management and/or finance system

Government Compliance

 Complies with requirements for DCAA, European Time Directives, FMLA, the California Wage Laws and Sarbanes-Oxley

Hardware Requirements

- Server:
 - Internet Information Services
 - MS SQL Server, Oracle or MySQL database
- Browsers
 - Chrome, Firefox, Safari, Edge, Mozilla and Internet Explorer
- TimeControl Mobile App:
 - Android phones and tablets, Apple phones and tablet

Available Online or On-premise

 Available for purchase for an on premise implementation or Online as a subscription in the cloud

HMS Software Partial Client List

Engineering/Construction

Aegion AeroInfo Andritz

Koch Business Solutions Kongsberg Devotek Thompson Beta

Gas / Utilities

Gulf South Pipeline Acergy Petrocon VenCorp Foster Wheeler

Manufacturing

Alcan
Parker Hannifin
Ultra Electronics
Tennant
Wagner Spray Tech
Vision Systems
Electro Motive
GE Sensing
Tommy Hilfiger

Defense / Aerospace

Bombardier Inc.
CAE Electronics
Lockheed Martin
Rolls Royce
SAAB
Army Corps of Engineers

Government

Atlanta Airport
Dutch Railway
Government of Saskatchewan
Railway Procurement Agency (UK)
Ville de Montreal
City of Winnipeg

Technology

AMD Arivia

CSI Piemonte

Face Technology

Fuel Plus Software

GE Access

Microsoft

Positron

Psion Teklogix

Inventure

Fujitsu

Telecommunications

Cable & Wireless Bartel

Ericsson

EXFO

Motorola

Philips Semiconductors

SARA Amsterdam

Stratos Global

Financial

Standard Life

Development Bank of Canada

Alliance One

Centre de Recherche Informatique de Montréal

Health/Pharmaceutical

Boehringer Ingelheim

National Health Service (UK)

Azko Nobel (Organon)

RTS Thurnall

Canadian Institute for Health Info

logen

Registrat

Education

Johnson and Wales University Eastern Michigan University Queens University McGill University

About HMS Software

HMS Software, a division of Montreal, Canada-based Heuristic Management Systems Inc., is a leading provider of enterprise timesheet and project management systems.

Founded in 1984, HMS Software's expertise in implementing enterprise project-management and enterprise timesheet systems is recognized worldwide by some of the world's best-known organizations. HMS's signature product, TimeControl, an enterprise timekeeping system designed to serve the needs of both Finance and Project Management, is distributed worldwide through an extensive list of distributors and dealers located on every continent with representatives in the US, the UK, Australia, Mexico, Europe, Asia, South Africa and the Middle East.

HMS Software's client list includes some of the world's leading corporations in the telecommunications, IT, finance, engineering, defense/aerospace and government sectors including such organizations as Aegion, AMD, CANAM, CAE, the City of Montreal, Electromotive Diesel, EXFO, Foster Wheeler, Kelly Services, the Government of Quebec, Pontoon Solutions, Reebok-CCM, Rolls Royce, Sandoz, SEFA, Volvo, Zoetis and hundreds of others. HMS maintains offices in Montreal, Quebec and Toronto, Ontario.

For more information about HMS, please visit www.hms.ca.

About TimeControl

TimeControl was originally released in 1994. It was immediately successful in the project management sector and today is recognized not only as a project management solution, but also as an enterprise timesheet solution in use by companies worldwide. TimeControl is designed as a multipurpose timesheet able to serve the needs of both Finance and Project Management simultaneously. It includes features such as a multi-browser, multi-device interface, a PC and mobile interface, vacation approvals, executive dashboards, extensive approval functionality, flexible reporting and links to project management and corporate systems which makes the timesheet product ideally suited for integration with existing systems in any organization. TimeControl's flexibility allows it to be deployed for use as a time and attendance, time and billing, project tracking and flex-time system. TimeControl and TimeControl Industrial are available both as an on-line subscription in the Cloud and for purchase for an on-premises installation. TimeControl Project is a premium version of the TimeControl Online and TimeControl Industrial Online subscription service in the cloud. For more information about TimeControl please visit: www.timecontrol.com. For more information about TimeControl Industrial, please visit: industrial.timecontrol.com. For more information about TimeControl Project please visit: timecontrolproject.com.