# JET Journal Type Business Logic

## Checks applied to all types of journals:

* Debits and credits must be equal (sum of all amounts is equal to $0.00). Some journals, like budgets, may in certain cases override or tweak this definition.
* All accounts must be marked as active in the DOA interface lookup table (PS\_UW\_X\_DOA\_TBL)
* (UWMSN only) User must have division 98 privilege (a setting in WISDM) to charge to any dept id 98xxxx.
* Lines must pass chart field and combo edits.
* Cash account (6100) is not allowed by user.
* Line Description is required.

## Internal Billing (JRB)

* Salary account codes are not allowed in range 1000-1997.

## Limited Non-Salary Cost Transfer (JRT)

* Salary account codes are not allowed on funds 133 and 144.
* Accounts that are not in the range 1000-5999 are not allowed (no balance sheets).
* Line level authorizations are applied by deptid or unit (auth token = JET\_JRT in WISDM).

## Inter-Unit Transfer (IUJ, IUX)

* Balance checking is done only on non-cash (non-6100) accounts. [Note: this rule may have pre-dated the no cash account rule and was not removed. Therefore, may be redundant with regards to normal JET balance checks. It is harmless to keep this rule however.]

## Revenue Accounting (JRR unlimited)

* Accounts in 8xxx series are not allowed.
* Accounts in 7xxx series are not allowed except account 7100.
* Lines with program code R must have a valid revenue (not expense or other type) account and must not be a sales credit code (9050 or 9062).
* Line level authorizations are applied by deptid or unit (auth token = JET\_JRR in WISDM).
* Other special processing:
	+ TAX: If a county code is present on a line in the class field (such as T013), the sales tax for the county and state is applied for the line:
		- A new line is generated for the state of WI tax rate charged on fund 902, account 9224 with the line’s dept id and program.
		- Another line is generated for the county tax rate (if applicable) on fund 902 account 9220 with the line’s dept id and program.
		- Another line is generated to offset the taxes on the line’s original coding (except class field is cleared). The amount is the negated sum of the state and county tax.
		- If in either the state or county tax calculation the result is $0.00 or less than $0.01, no tax lines or offsets are generated.
		- Tax rate data by county class field code is stored on PS\_UW\_JET\_TAX\_TBL.
		- In the calculations, a standard rounding rule is utilized – numbers ending in digits 0-4 are rounded down, digits 5-9 are rounded up. Example: $1.599 becomes $1.60; $1.831 becomes $1.83, etc.

**NOTE: The current county code entered in the class field is a 4 digit code and is currently only used by Madison.**

 DEFERRED REVENUE: If user requested deferred revenue journal be created (this is by user choice when creating the journal):

* + - A second journal with the same properties as the original is created but its journal date is assigned to 7/2 of the next fiscal year.
		- All revenue lines from the original journal are copied into the deferred revenue journal.
		- A copy of each revenue line is also made and their amounts are negated and their accounts are set to 7400 as offsets to the original revenue.
		- The sales tax application is then applied to the deferred revenue journal (although the deferred revenue lines do not have tax applied; only the original revenue).

**Revenue Sales Tax Application Sample:**

Original journal entry (contains the gross amount including the sales tax collected):

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fund | Dept ID | Account | Program | Class | Amount |
| 128 | 062020 | 9300 | R | T013 | 1055.00 |

After sales tax application (T013 = Dane County = 5.5% tax rate):

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fund | Dept ID | Account | Program | Class | Amount |
| 128 | 062020 | 9300 | R | T013 | 1055.00 |
| 902 | 062020 | 9224 | R | T013 | 50.00 |
| 902 | 062020 | 9220 | R | T013 | 5.00 |
| 128 | 062020 | 9300 | R |  | -55.00 |

[Proof] **Original Sales Amount Derivation** - given an amount representing the gross taxable sales amount including sales tax (*ρ* ), a tax rate of (*δ* ), the original sales amount (*x)* is found by:

$$ρ=x+ δ∙x$$

$$ρ=(1+ δ)∙x$$

$$x= \frac{ρ}{1+ δ}$$

## Revenue Accounting (JRR limited)

The limited Revenue Accounting business logic is the same as the unlimited with the following differences:

* User cannot use sponsored funds
* Accounts in 7xxx series are not allowed