

# Overview

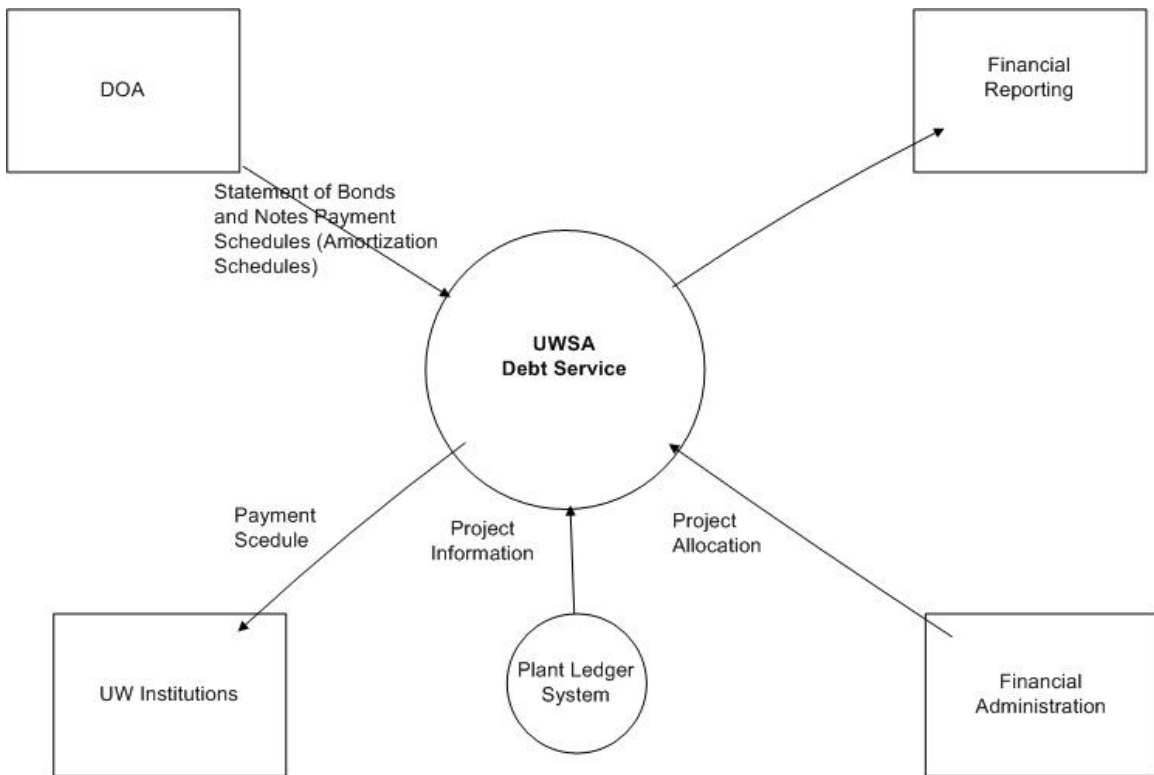
The purpose of the Debt Service System is to assist in the prorating of the payment schedules for Bond or Note issue debt repayment. The State of Wisconsin issues Bonds and Notes for construction projects. The Debt Service System is a means to track the debt service related to the Bonds and Notes. The data in this system is used to comply with Bond/Note repayment. Other purposes are to:

- Allocate debt (principal and interest) repayment to the appropriate campus
- Allocate debt repayment to the appropriate campus and facility
- Track Capital Improvement Fund (CIF) interest earnings

The purpose of this document is to provide detailed information about the Debt Service entities (tables), views and data elements for people wanting to obtain information from the Debt Service databases. The document is broken down into context diagram, entity descriptions, view descriptions, calculations and data element definitions.

## Debt Service Context Diagram

The purpose of a context diagram is to illustrate the scope of the Debt Service System and data by showing the data inputs and outputs and identifying the external sources or recipients of the data.



**Debt Service**  
Context Diagram  
6/7/2005

## Entity Description

An entity is an identifiable person, place, thing, object, or concept that is meaningful to an enterprise, and for which data is collected and maintained.

A table (or "base table") is the basic unit of data storage in a relational database. The tables of a database hold all of the user-accessible data. Every table is defined with a table name and a set of data elements. Each table contains one or more "rows" ("records").

The entities described below each have surrogate keys which are physically generated ids. This system requires audit trails whenever data is updated.

### ***Annual Adjustments***

The annual adjustments are a correction of a bond or note issue.

**Base Table Name: DS\_ANNUAL ADJUSTMENTS**

Physical Key = ds\_annual\_adjustments\_id (10,0 / generated number)

Logical Key = Fiscal Year + Unit + Project

**Load Frequency:**

Entered manually

**Special Considerations:**

**Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

**Data Custodian:**

UW System Administration

Director, Financial Reporting, Financial Administration

**Data Elements:**

Amount

Comments

DS Annual Adjustments ID (generated number)

Fiscal Year

Project

Unit

Update Date

Update User

### ***Audit Trail***

This entity tracks updates to data and deletions of records. It does not track inserted records.

This table is not in use at this time.

**Base Table Name: DS\_AUDIT\_TRAIL**

Physical Key = audit\_id (12,0 / generated number)

Logical Key = none

**Load Frequency:**

**Special Considerations:**

This entity is not available for the general public.

**Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

**Data Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Data Elements:**

Audit ID (generated number)  
New Value  
Old Value  
Update Date  
Update Field  
Update Month  
Update Table  
Update Table Key  
Update User  
Update Year

***Issue Master***

The Issue Master table contains debt service descriptive information referring to the bond or note.

**Base Table Name: DS\_ISSUE\_MASTER**

Physical Key = issue\_master\_id (10,0 / generated number)  
Logical Key = issue\_id +fund\_type

**Load Frequency:**

This table was originally loaded in 2004 from a spreadsheet. Data is updated yearly manually or from a spreadsheet.

**Special Considerations:**

**Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

**Data Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Data Elements:**

Fund Type  
Issue ID  
Issue Master ID (generated number)  
Issue Type  
Original Bond Principal  
Original Bond Interest  
Update Date  
Update User

***Issue Schedule***

The Issue Schedule is the bond or note repayment schedule received from DOA.

**Base Table Name: DS\_ISSUE\_SCHEDULE**

Physical Key = issue\_schedule\_id (10,0 / generated number)  
Logical Key = none

**Load Frequency:**

Loaded when new bond or note information is available.

**Special Considerations:**

**Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

**Data Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Data Elements:**

Current Indicator  
Fiscal Year  
Fund Type  
Interest Due  
Issue ID  
Issue Schedule ID (generated number)  
Payment Date  
Principal Due  
Project  
Project Split  
Refinanced Issue ID  
Schedule Date  
Source DOA Date  
Sub Unit  
Unit  
Update Date  
Update User

**Others**

Other entities are used mainly for translation or to provide further detail.

**Fund Type**

This table associates a fund type to the fund description.

**Base Table Name:** DS\_ISSUE\_THS\_FUND\_TYPE

Key = fund\_type

**Source of Data:**

**Data Elements**

DOA Fund Type  
Fund Type  
Fund Type Description  
Update Date  
Update User

**Issue Type**

This table associates a issue type to the issue description.

**Base Table Name:** DS\_ISSUE\_THS\_TYPE

Key = issue\_type

**Source of Data:**

## **Data Elements**

Issue Type  
Issue Description  
Update Date  
Update User

## **View Description**

A view is a custom-tailored presentation of the data contained in one or more base tables. Views do not actually physically store data; rather, they dynamically derive their data from the tables on which they are based. A view can also be thought of as a "stored query". Views are generally built by joining multiple tables based upon data or business rules that associate them with each other.

### ***Payment Schedule (DS\_V\_PAYMENT\_SCHEDULE)***

This view calculates total payment due and principal outstanding for the payment schedules. This view displays payment information for projects and project splits.

**Base Tables Included in this view:** DS\_ISSUE\_SCHEDULE, DS\_ISSUE\_MASTER, DS\_ISSUE\_THS\_TYPE, DS\_ISSUE\_THS\_FUND\_TYPE, UWSPL.PL\_PROJECT\_MASTER, UWSPL.PL\_THS\_PROJECT\_GROUP\_CODE

#### **Special Considerations:**

##### **Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

##### **Data Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

##### **Data Elements:**

Current Indicator  
Fiscal Year  
Fund Type  
Fund Type Description  
Interest Due  
Issue Type Description  
Issue ID  
Issue Type  
Payment Date  
Principal Due  
Principal Outstanding  
Project  
Project Name  
Project Group Code  
Project Group Description  
Project Split  
Refinanced Issue ID  
Schedule Date  
Source DOA Date  
Sub Unit  
Total Due  
Unit

### ***Total Issue (DS\_V\_TOTAL\_ISSUE)***

This view displays the fiscal year total principal and interest due for multiple years of an issue.

**Base View included in this view: DS\_V\_PAYMENT\_SCHEDULE**

**Special Considerations:**

**Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

**Data Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Data Elements:**

Fiscal Year  
Fund Type  
Fund Type Description  
Final Payment Fiscal Year  
Issue ID  
Issue Type  
Issue Type Description  
Total Principal Due  
Total Interest Due  
Total Due

***Total Project Issue (DS\_V\_TOTAL\_PROJECT\_ISSUE)***

This view displays by project, the fiscal year total principal and interest due for multiple years.

**Base Table/View included in this view: DS\_V\_PAYMENT\_SCHEDULE,  
DS\_ANNUAL\_ADJUSTMENTS, UWSPL.PL\_PROJECT\_MASTER,  
UWSPL.PL\_THS\_PROJECT\_GROUP\_CODE**

**Special Considerations:**

**Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

**Data Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Data Elements:**

Final Payment Fiscal Year  
Fiscal Year  
Issue ID  
Issue Type Description  
Project  
Project Group Description  
Project Name  
Record Type  
Sub Unit  
Total Principal Due  
Total Interest Due  
Total Due  
Unit

## ***Total Unit Issue (DS\_V\_TOTAL\_UNIT\_ISSUE)***

This view displays by unit issue, the fiscal year total principal and interest due for multiple years.

**Base View included in this view: DS\_V\_PAYMENT\_SCHEDULE**

### **Special Considerations:**

#### **Authorization:**

You must receive approval to access data from the data custodian. For information on which forms to fill out or what connections are necessary see:

#### **Data Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

#### **Data Elements:**

Fiscal Year  
Issue ID  
Issue Type  
Issue Type Description  
Final Payment Fiscal Year  
Fund Type  
Fund Type Description  
Sub Unit  
Total Due  
Total Interest Due  
Total Principal Due  
Unit

## **Calculation Algorithms**

### ***Total Due***

For each Bond or Note by Issue ID and Fund Type

Total Due = Principal Due + Interest Due per Payment Date

### ***Total Interest Due***

For each Bond or Note by Issue ID and Fund Type

Total Interest Due = Interest Due (payment date 1) + ...+ Interest Due (payment date n)

### ***Total Principal Due***

For each Bond or Note by Issue ID and Fund Type

Total Principal Due = Principal Due (payment date 1) + ...+ Principal Due (payment date n)

### ***Principal Outstanding***

For each Bond or Note by Issue ID and Fund Type

Principal Outstanding = Total Principal Due – Total Principal Paid

## Data Element Definitions

### ***Amount***

**Definition:**

This data element is the dollar total associated with the adjustment.

**Length/Format:**

12,2 / number (9999999999.99)

**Coding:**

**Validation:**

Must be numeric'

**Population:**

All issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ANNUAL\_ADJUSTMENTS.AMOUNT

**Date Issued/Revised:**

Issued June, 2005

### ***Comments***

**Definition:**

This data element describes why the adjustment transaction occurred.

**Length/Format:**

100 / character

**Coding:**

**Validation:**

**Population:**

All issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ANNUAL\_ADJUSTMENTS.COMMENTS

**Date Issued/Revised:**

Issued June, 2005

## ***Current Indicator***

**Definition:**

This data element indicates the most current payment schedule.

**Length/Format:**

1 / character

**Coding:**

Y = most current payment schedule

N = not the most current payment schedule

**Validation:**

Must be 'Y' or 'N'

**Population:**

All issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration

Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.CURRENT\_IND

DS\_V\_PAYMENT\_SCHEDULE.CURRENT\_IND

DS\_V\_TOTAL\_ISSUE.CURRENT\_IND

DS\_V\_TOTAL\_UNIT\_ISSUE.CURRENT\_IND

DS\_V\_TOTAL\_PROJECT\_ISSUE.CURRENT\_IND

**Date Issued/Revised:**

Issued June, 2005

## ***DOA Fund Type***

**Definition:**

This data element indicates fund type of debt service assigned by DOA.

**Length/Format:**

1 / character

**Coding:**

T = Program Revenue (PR)

S = General Purpose Revenue (GPR)

**Validation:**

Must be 'T' or 'S'

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_THS\_FUND\_TYPE.DOA\_FUND\_TYPE

**Date Issued/Revised:**

Issued June, 2005

***Final Payment Fiscal Year***

**Definition:**

This data element identifies the fiscal year that the final payment is due for a bond or a note.

**Length/Format:**

40 / character

**Coding:**

**Validation:**

**Population:**

All issues

**Source:**

Calculated in view

**Business Rule:**

Derived by looking at the payment dates and determining the date that is furthest in the future. The fiscal year is then extracted from the most future payment date.

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_TOTAL\_ISSUE.FINAL\_PAYMENT\_FY  
DS\_V\_TOTAL\_PROJECT\_ISSUE.FINAL\_PAYMENT\_FY  
DS\_V\_TOTAL\_UNIT\_ISSUE.FINAL\_PAYMENT\_FY

**Date Issued/Revised:**

Issued June, 2005

***Fiscal Year***

**Definition:**

The year defined as starting on July 1 of one year and ending on June 30 of the following year. The fiscal year is denoted as the calendar year on which June 30th falls.

**Length/Format:**

4,0 / number (9999)

**Coding:**

**Validation:**

Must be numeric and greater than or equal to zero

**Population:**

All issues

**Source:**

Fiscal Year on the Issue Schedule table from DOA Capital Finance  
Fiscal Year on the Annual Adjustments table from UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ANNUAL\_ADJUSTMENTS.FISCAL\_YEAR  
DS\_ISSUE\_SCHEDULE.FISCAL\_YEAR  
DS\_V\_PAYMENT\_SCHEDULE.FISCAL\_YEAR  
DS\_V\_TOTAL\_ISSUE.FISCAL\_YEAR  
DS\_V\_TOTAL\_UNIT\_ISSUE.FISCAL\_YEAR  
DS\_V\_TOTAL\_PROJECT\_ISSUE.FISCAL\_YEAR

**Date Issued/Revised:**

Issued June, 2005

**Fund Type**

**Definition:**

This data element identifies the fund type of debt service.

**Length/Format:**

10 / character

**Coding:**

<b>Code</b>
Fund type

**Validation:**

The fund type must be valid per the DS\_ISSUE\_THS\_FUND\_TYPE table. Example is below.

<b>Fund Type</b>
PR
GPR

**Population:**

All issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_MASTER.FUND\_TYPE

DS\_ISSUE\_SCHEDULE.FUND\_TYPE  
DS\_ISSUE\_THS\_FUND\_TYPE.FUND\_TYPE  
DS\_V\_PAYMENT\_SCHEDULE.FUND\_TYPE  
DS\_V\_TOTAL\_ISSUE.FUND\_TYPE  
DS\_V\_TOTAL\_UNIT\_ISSUE.FUND\_TYPE

**Date Issued/Revised:**

Issued June, 2005

***Fund Type Description***

**Definition:**

This data element describes what a fund type is in words.

**Length/Format:**

50 / character

**Coding:**

Code	Description
Fund Type	50 character description

**Validation:**

The fund name must be valid per the DS\_ISSUE\_THS\_FUND\_TYPE table. Example is below.

Fund Type	Description
PR	Program Revenue (T)
GPR	General Purpose Revenue (S)

**Population:**

All issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_THS\_FUND\_TYPE.FUND\_DESCRIPTION  
DS\_V\_PAYMENT\_SCHEDULE.FUND\_TYPE\_DESCRIPTION  
DS\_V\_TOTAL\_ISSUE.FUND\_TYPE\_DESCRIPTION  
DS\_V\_TOTAL\_UNIT\_ISSUE.FUND\_TYPE\_DESCRIPTION

**Date Issued/Revised:**

Issued June, 2005

***Interest Due***

**Definition:**

This data element is the interest that is due for a particular payment date on a bond or a note.

**Length/Format:**

12,2 / number (9999999999.99)

**Coding:**

**Validation:**

Must be numeric and greater than or equal to zero

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.INTEREST\_DUE  
DS\_V\_PAYMENT\_SCHEDULE.INTEREST\_DUE

**Date Issued/Revised:**

Issued June, 2005

***Issue ID***

**Definition:**

This data element is assigned by DOA. A character after the year indicates a regular bond or note sale. A number after the year indicates the bond or note is a refunding issue.

**Length/Format:**

10 / character

**Coding:**

<b>Code</b>
Issue ID

**Validation:**

The Issue ID must be valid per the DOA bond sale. Example is below

<b>Issue ID</b>
1990D
19922

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_MASTER.ISSUE\_ID  
DS\_ISSUE\_SCHEDULE.ISSUE\_ID  
DS\_V\_PAYMENT\_SCHEDULE.ISSUE\_ID

DS\_V\_TOTAL\_ISSUE.ISSUE\_ID  
DS\_V\_TOTAL\_PROJECT\_ISSUE.ISSUE\_ID  
DS\_V\_TOTAL\_UNIT\_ISSUE.ISSUE\_ID

**Date Issued/Revised:**

Issued June, 2005

**Issue Type**

**Definition:**

This data element identifies the issue type of debt service.

**Length/Format:**

10 / character

**Coding:**

Code
Issue type

**Validation:**

The fund type must be valid per the DS\_ISSUE\_THS\_TYPE table. Example is below.

Issue Type
B
N

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_MASTER.ISSUE\_TYPE  
DS\_ISSUE\_THS\_TYPE.ISSUE\_TYPE  
DS\_V\_PAYMENT\_SCHEDULE.ISSUE\_TYPE  
DS\_V\_TOTAL\_ISSUE.ISSUE\_TYPE  
DS\_V\_TOTAL\_UNIT\_ISSUE.ISSUE\_TYPE

**Date Issued/Revised:**

Issued June, 2005

**Issue Type Description**

**Definition:**

This data element describes what an issue type is in words.

**Length/Format:**

25 / character

**Coding:**

Code	Description
Issue Type	25 character description

**Validation:**

The fund name must be valid per the DS\_ISSUE\_THS\_TYPE table. Example is below.

Issue Type	Issue Description
B	Bond
N	Note

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_THS\_TYPE.ISSUE\_DESCRIPTION  
DS\_V\_PAYMENT\_SCHEDULE.ISSUE\_TYPE\_DESCRIPTION  
DS\_V\_TOTAL\_ISSUE.ISSUE\_TYPE\_DESCRIPTION  
DS\_V\_TOTAL\_UNIT\_ISSUE.ISSUE\_TYPE\_DESCRIPTION  
DS\_V\_TOTAL\_PROJECT\_ISSUE.ISSUE\_TYPE\_DESCRIPTION

**Date Issued/Revised:**

Issued June, 2005

***Original Bond or Note Principal***

**Definition:**

Each issue has an original amount. This data element is the issue original amount. This data element is not in use at this time.

**Length/Format:**

12,2 / number (9999999999.99)

**Coding:**

**Validation:**

Must be numeric and greater than or equal to zero

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_MASTER.ORG\_BOND\_PRINC

**Date Issued/Revised:**  
Issued June, 2005

## ***Original Bond or Note Interest***

**Definition:**  
Each issue has an original interest. This data element is the issue original interest. This data element is not in use at this time.

**Length/Format:**  
12,2 / number (9999999999.99)

**Coding:**

**Validation:**  
Must be numeric and greater than or equal to zero

**Population:**  
All issues

**Source:**  
DOA Capital Finance

**Business Rule:**

**Custodian:**  
UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**  
DS\_ISSUE\_MASTER.ORIG\_BOND\_INT

**Date Issued/Revised:**  
Issued June, 2005

## ***Payment Date***

**Definition:**  
This data element identifies the date a payment is due for a particular issue.

**Length/Format:**  
DATE / CCYYMMDD

**Coding:**

**Validation:**

**Population:**  
All issues

**Source:**  
DOA Capital Finance

**Business Rule:**  
Commercial paper notes have a quarterly payment schedule (August, November, February, May).  
Bonds have a semi-annual payment schedule (October, April).

**Custodian:**  
UW System Administration

Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.PAYMENT\_DATE  
DS\_V\_PAYMENT\_SCHEDULE.PAYMENT\_DATE

**Date Issued/Revised:**

Issued June, 2005

***Principal Due***

**Definition:**

This data element is the principal that is due for a particular payment date on a bond or a note.

**Length/Format:**

12,2 / number (9999999999.99)

**Coding:**

**Validation:**

Must be numeric and greater than or equal to zero

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.PRINCIPAL\_DUE  
DS\_V\_PAYMENT\_SCHEDULE.PRINCIPLE\_DUE

**Date Issued/Revised:**

Issued June, 2005

***Principal Outstanding***

**Definition:**

This data element describes the principal left for an issue.

**Length/Format:**

Floating number

**Coding:**

Calculated

**Validation:**

Must be numeric

**Population:**

All issues

**Source:**

Calculated in view

**Business Rule:**

Principal Outstanding = Total Principle Due + Total Principal Paid

Total Principal Paid = Total Principal Due from previous years payment schedules

**Custodian:**

UW System Administration

Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_PAYMENT\_SCHEDULE.PRINCIPAL\_OUTSTANDING

**Date Issued/Revised:**

Issued June, 2005

***Project***

**Definition:**

This data element is an identification code assigned by DOA to a specific project.

**Length/Format:**

6 / character

**Coding:**

**Validation:**

Must be a project on the UWSA Plant Ledger Project Master table

**Population:**

All PR issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration

Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.PROJECT

DS\_ANNUAL\_ADJUSTMENTS.PROJECT

DS\_V\_PAYMENT\_SCHEDULE.PROJECT

DS\_V\_TOTAL\_PROJECT\_ISSUE.PROJECT

**Date Issued/Revised:**

Issued June, 2005

***Project Group Code***

**Definition:**

This data element is a code that represents a group of projects tied to a facility or an auxiliary unit.

**Length/Format:**

50 / character

**Coding:**

<b>Code</b>
Project Group Code

**Validation:**

<b>Project GroupCode</b>
A
H
N
P
F
U

**Population:**

All PR issues

**Source:**

UWSA Plant Ledger System

**Business Rule:**

**Custodian:**

UW System Administration  
 Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_PAYMENT\_SCHEDULE.PROJECT\_GROUP\_CODE

**Date Issued/Revised:**

Issued June, 2005

***Project Group Description***

**Definition:**

This data element is the description that describes the type of project groups.

**Length/Format:**

50 / character

**Coding:**

<b>Code</b>	<b>Description</b>
1 character code	Project Group Description

**Validation:**

<b>Project Group Code</b>	<b>Project Group Description</b>
A	Athletics
H	Housing
N	None
P	Parking
F	Family Practice Unit
U	Student Union

**Population:**

All PR issues

**Source:**

UWSA Plant Ledger System

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_PAYMENT\_SCHEDULE.PROJECT\_GROUP\_DESCRIPTION  
DS\_V\_TOTAL\_PROJECT\_ISSUE.PROJECT\_GROUP\_DESCRIPTION

**Date Issued/Revised:**

Issued June, 2005

***Project Name*****Definition:**

This data element is the name of a project.

**Length/Format:**

50 / character

**Coding:****Validation:****Population:**

All PR issues

**Source:**

UWSA Plant Ledger System

**Business Rule:****Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_PAYMENT\_SCHEDULE.PROJECT\_NAME  
DS\_V\_TOTAL\_PROJECT\_ISSUE.PROJECT\_NAME

**Date Issued/Revised:**

Issued June, 2005

***Project Split*****Definition:**

This data element is used to identify the different project descriptions (e.g., addresses) for one project number.

**Length/Format:**

100 / character

**Coding:****Validation:****Population:**

All PR issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.PROJECT\_SPLIT  
DS\_V\_PAYMENT\_SCHEDULE.PROJECT\_SPLIT  
DS\_V\_TOTAL\_PROJECT\_ISSUE.PROJECT\_SPLIT

**Date Issued/Revised:**

Issued June, 2005

***Record Type***

**Definition:**

This data element indicates the source table or source view for the project data.

**Length/Format:**

1 / character

**Coding:**

P = data is from the Payments Schedule view  
A = data is from the Annual Adjustments table

**Validation:**

Must be 'A' or 'P'

**Population:**

All issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_TOTAL\_PROJECT\_ISSUE.RECORD\_TYPE

**Date Issued/Revised:**

Issued June, 2005

***Refinanced Issue ID***

**Definition:**

This data element shows the bond or note issue refinanced. This data element is assigned by DOA. This data element identifies issues that were partially or fully refunded. This data element is not in use at this time.

**Length/Format:**

10 / character

**Coding:**

Refinanced Issue ID
---------------------

**Validation:**

The Issue ID must be valid per the DOA bond sale. Example is below

<b>Refinanced Issue ID</b>
19922

**Population:**

All refinanced issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.REFINANCED\_ISSUE\_ID  
DS\_V\_PAYMENT\_SCHEDULE.REFINANCED\_ISSUE\_ID

**Date Issued/Revised:**

Issued June, 2005

***Schedule Date***

**Definition:**

This data element identifies when the payment schedule was originally created for the campus.

**Length/Format:**

DATE / CCYYMMDD

**Coding:**

**Validation:**

**Population:**

All issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.SCHEDULE\_DATE  
DS\_V\_PAYMENT\_SCHEDULE.SCHEDULE\_DATE

**Date Issued/Revised:**

Issued June, 2005

## Source DOA Date

**Definition:**

This data element identifies the date on the payment schedule received from DOA.

**Length/Format:**

DATE / CCYYMMDD

**Coding:**

**Validation:**

**Population:**

All issues

**Source:**

DOA Capital Finance

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.SOURCE\_DOA\_DATE  
DS\_V\_PAYMENT\_SCHEDULE.SOURCE\_DOA\_DATE

**Date Issued/Revised:**

Issued June, 2005

## Sub Unit

**Definition:**

This data element identifies the Madison campus business unit location to which a transaction belongs. The purpose is to break out those debt service transactions that really belong to Madison campus versus those transactions associated with UW Hospital or Research Park.

**Length/Format:**

40 / character

**Coding:**

Sub Unit	Madison campus business unit
HOS	UW Hospital
URP	University Research Park Projects

**Validation:**

Must be 'HOS' 'URP', or spaces

**Population:**

All 'A' unit issues

**Source:**

UWSA Financial Reporting

**Business Rule:**

**Custodian:**

**Physical Location:**

DS\_ISSUE\_SCHEDULE.SUB\_UNIT  
 DS\_V\_PAYMENT\_SCHEDULE.SUB\_UNIT  
 DS\_V\_TOTAL\_UNIT\_ISSUE.SUB\_UNIT  
 DS\_V\_TOTAL\_PROJECT\_ISSUE.SUB\_UNIT

**Date Issued/Revised:**

Issued June, 2005

**Unit**

**Definition:**

This data element identifies the business unit (campus) location to which a payment schedule belongs. These codes are assigned by UW System Administration.

**Length/Format:**

1 / character

**Coding:**

<b>Code</b>
Business unit (campus)

**Validation:**

The Unit must be one of the Unit codes in the code table ????? PL\_THS\_INSTITUTION.  
 Example is below.

Unit	Institution Name	SFS Unit Code	Institution Abbreviation	Entity Wide Number
A	UW-Madison	UWMSN	MSN	UW101
B	UW-Milwaukee	UWMIL	MIL	UW102
C	UW-Eau Claire	UWEAU	EAU	UW121
D	UW-Green Bay	UWGBY	GBY	UW103
E	UW-LaCrosse	UWLAC	LAC	UW122
F	UW-Oshkosh	UWOSH	OSH	UW124
G	UW-Parkside	UWPKS	PKS	UW104
H	UW-Platteville	UWPLT	PLT	UW125
J	UW-River Falls	UWRVF	RVF	UW126
K	UW-Stevens Point	UWSTP	STP	UW127
L	UW-Stout	UWSTO	STO	UW123
M	UW-Superior	UWSUP	SUP	UW128
N	UW-Whitewater	UWWTW	WTW	UW129
R	UW Colleges	UWCOL	COL	UW108
T	UW-Extension	UWEXT	EXT	UW109
W	UW System Administration	UWADM	SA	UW109
X	GPO Pooling Transactions	UWSYS	SYS	UW109
Y	UW Systemwide	UWSYS	SYS	UW109

**Population:**

All issues

**Source:**

UW System Administration

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ISSUE\_SCHEDULE.UNIT  
DS\_ANNUAL\_ADJUSTMENTS.UNIT  
DS\_V\_PAYMENT\_SCHEDULE.UNIT  
DS\_V\_TOTAL\_UNIT\_ISSUE.UNIT  
DS\_V\_TOTAL\_PROJECT\_ISSUE.UNIT

**Date Issued/Revised:**

Issued June, 2005

***Update Date*****Definition:**

This data element identifies the date/time the table row was most recently updated. It is used for audit trail purposes.

**Length/Format:**

DATE / CCYYMMDD

**Coding:**

Computer generated.

**Validation:**

Default to system sysdate on insert and update.

**Population:**

All tables

**Source:****Business Rule:****Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ANNUAL\_ADJUSTMENTS.UPDATE\_DATE  
DS\_ISSUE\_MASTER.UPDATE\_DATE  
DS\_ISSUE\_SCHEDULE.UPDATE\_DATE  
DS\_ISSUE\_THS\_FUND\_TYPE.UPDATE\_DATE  
DS\_ISSUE\_THS\_TYPE.UPDATE\_DATE

**Date Issued/Revised:**

Issued June, 2005

***Update Field*****Definition:**

This date element is the name of the column in a row of a table that was updated. It is used for audit trail purposes. This data element is not being used at this time.

**Length/Format:**

30 / character

**Coding:**

Computer generated

**Validation:**

Generated by a before update trigger

**Population:****Source:****Business Rule:**

This data element is not available to the general public.

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_AUDIT\_TRAIL.UPDATED\_FIELD

**Date Issued/Revised:**

Issued June, 2005

***Update Month*****Definition:**

This date element is the month when a row in a table was updated. It is used for audit trail purposes. This data element is not being used at this time.

**Length/Format:**

2 / character (MM)

**Coding:**

Computer generated

**Validation:**

Default to system month

**Population:****Source:****Business Rule:**

This data element is not available to the general public.

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_AUDIT\_TRAIL.UPDATE\_MONTH

**Date Issued/Revised:**

Issued June, 2005

***Update Table*****Definition:**

This date element is the table in which a row was updated. It is used for audit trail purposes. This data element is not being used at this time.

**Length/Format:**

30 / character

**Coding:**

Computer generated

**Validation:**

Generated by a before update trigger

**Population:****Source:****Business Rule:**

This data element is not available to the general public.

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_AUDIT\_TRAIL.UPDATED\_TABLE

**Date Issued/Revised:**

Issued June, 2005

***Update Table Key*****Definition:**

This data element is the primary key in which a row in a table was updated. It is used for audit trail purposes. This data element is not being used at this time.

**Length/Format:**

100 / character

**Coding:**

Computer generated

**Validation:**

Generated by a before update trigger

**Population:****Source:****Business Rule:**

This data element is not available to the general public.

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_AUDIT\_TRAIL.UPDATED\_TABLE\_KEY

**Date Issued/Revised:**

Issued June, 2005

## ***Update User***

**Definition:**

This data element identifies the person, by application login id, who last updated or inserted the table data. It is used for audit trail purposes.

**Length/Format:**

30 / character

**Coding:**

Computer generated.

**Validation:**

Default to system user on insert and update.

**Population:**

All tables

**Source:**

**Business Rule:**

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_ANNUAL\_ADJUSTMENTS.UPDATE\_USER  
DS\_ISSUE\_MASTER.UPDATE\_USER  
DS\_ISSUE\_SCHEDULE.UPDATE\_USER  
DS\_ISSUE\_THS\_FUND\_TYPE.UPDATE\_USER  
DS\_ISSUE\_THS\_TYPE.UPDATE\_USER

**Date Issued/Revised:**

Issued June, 2005

## ***Update Year***

**Definition:**

This date element is the year when a row in a table was updated. It is used for audit trail purposes. This data element is not being used at this time.

**Length/Format:**

4 / character (CCYY)

**Coding:**

Computer generated

**Validation:**

Default to system year

**Population:**

**Source:**

**Business Rule:**

This data element is not available for the general public.

**Custodian:**

UW System Administration

Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_AUDIT\_TRAIL.UPDATE\_YEAR

**Date Issued/Revised:**

Issued June, 2005

***Total Due***

**Definition:**

This data element describes the total due for an issue per payment date.

**Length/Format:**

Floating number

**Coding:**

Calculated

**Validation:**

Must be numeric

**Population:**

All issues

**Source:**

Calculated in view

**Business Rule:**

Total Due = Principal Due + Interest Due

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_TOTAL\_ISSUE.TOTAL\_DUE  
DS\_V\_TOTAL\_PROJECT\_ISSUE.TOTAL\_DUE  
DS\_V\_TOTAL\_UNIT\_ISSUE.TOTAL\_DUE

**Date Issued/Revised:**

Issued June, 2005

***Total Interest Due***

**Definition:**

This data element describes the total interest due for an issue.

**Length/Format:**

Floating number

**Coding:**

Calculated

**Validation:**

Must be numeric

**Population:**

All issues

**Source:**

Calculated in view

**Business Rule:**

Total Interest Due = Interest Due (payment date1) + ... + Interest Due (payment date n)

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_TOTAL\_ISSUE.TOTAL\_INTEREST\_DUE  
DS\_V\_TOTAL\_PROJECT\_ISSUE.TOTAL\_INTEREST\_DUE  
DS\_V\_TOTAL\_UNIT\_ISSUE.TOTAL\_INTEREST\_DUE

**Date Issued/Revised:**

Issued June, 2005

***Total Principal Due*****Definition:**

This data element describes the total principal due for an issue.

**Length/Format:**

Floating number

**Coding:**

Calculated

**Validation:**

Must be numeric

**Population:**

All issues

**Source:**

Calculated in view

**Business Rule:**

Total Principal Due = Principal Due (payment date1) + ... + Principal Due (payment date n)

**Custodian:**

UW System Administration  
Director, Financial Reporting, Financial Administration

**Physical Location:**

DS\_V\_TOTAL\_ISSUE.TOTAL\_PRINCIPAL\_DUE  
DS\_V\_TOTAL\_PROJECT\_ISSUE.TOTAL\_PRINCIPAL\_DUE  
DS\_V\_TOTAL\_UNIT\_ISSUE.TOTAL\_PRINCIPAL\_DUE

**Date Issued/Revised:**

Issued June, 2005