Re: Release:
Service Request: 10205
Programs: None
DB2 Programs: UCPPPDEB, UCARSMRP
CICS Programs: UCWARM, UCWEOCC, UCWEASC,
                UCEGRRP, UCWEHAP(new), UCWEHAS(new), UCWERUL
Copymembers: UCWSCOMA, UCWCOMN
DDL Members: IWHAC00C(new), IXHAC00C(new), TBHAC00C(new),
             TSHAC00C(new), PPPVZHAC(new), UC0VHAC1(new)
Include Members: PPPVZHAC(new), UC0VHAC1(new)
Bind Members: UCWEHAP(new), UCWEHAS(new)
CICS Maps: UCARSM0, UCEASC0, UCEHAP0(new), UCEHAS0(new)
Forms: None
Table Updates: None
Urgency: Not Urgent

This release addresses Service Request 10205 which asks for ARSM to be modified to include a Hierarchical Organization Model. This model allows campuses to control access to employee records by a hierarchy of the user population including Central Administrative, Deans/Business/Vice Chancellor, and Departmental Offices.

In addition to the Hierarchical Model, four new rules were added to ARSM:

1. Determine record accessibility by Hierarchical Unit or ranges of Hierarchical units;
2. Determine record accessibility by ranges of Home Department Codes;
3. Determine record accessibility by specific Personnel Program Code;
4. Determine record accessibility by specific Student Status type.

It has been requested that three additional ARSM screens be developed:

- one screen to facilitate updating and/or adding all types of association data, to replace the existing four screens (1 menu and 3 detail screens);
- two screens to facilitate updating and/or adding entries to the hierarchical table.

This release also addresses error reports 745 and 766. Error Report 745 indicates that program UCARSMRP is generating incorrect page numbers and rules that do not require association are
not reported on. Error Report 766 indicates program UCWEASC prevents multiple rows of association data for one access rule.

**CICS Programs**

**UCWEASC**

This program is a re-write of the program issued in release 594. This program establishes the association data for each access rule directly from the new Association Maintenance entry/update screen.

*Error Report 766*

UCWEASC was further modified to allow multiple association data for one access rule.

**UCWEGRP**

Obsolete transactions ERNG, EHME and EDST were removed and the new EHAP and EHAS, Hierarchy Table Maintenance transactions were added to this program.

**UCWARSM**

Obsolete transactions ERNG, EHME and EDST were removed and the new EHAP and EHAS, Hierarchy Table Maintenance transactions were added to this program.

**UCWERUL**

Obsolete transactions ERNG, EHME and EDST were removed and the new EHAP and EHAS, Hierarchy Table Maintenance transactions were added to this program.

**UCWEACC**

Obsolete transactions ERNG, EHME and EDST were removed and the new EHAP and EHAS, Hierarchy Table Maintenance transactions were added to this program.

*Error Report 745*

The following modifications were made in the program:

- prohibiting the change of any field that is part of the key;
- performing a DELETE and then a INSERT in order to change the Access Rule name.

**UCWEHAP(new)**

This new program was added to ARSM to populate and maintain the Hierarchy Access Table in primary unit sequence. This program reads the Hierarchy DB2 Table and creates all one to one corresponding rows on the Hierarchy Access Table needed by ARSM to determine departmental hierarchical access.

Program UCWEHAP will display the UCEHAP0 screen, collect entered data, process the addition or deletion of each table row in primary unit sequence.

The user displays the screen by entering the function code EHAP on the Command Line of any ARSM System Administration screen to display the Hierarchy Table Maintenance screen or by selecting this function from the ARSM Main Menu.

**UCWEHAS(new)**
This new program was added to ARSM to populate and maintain the Hierarchy Access Table in secondary unit sequence. This program reads the Hierarchy DB2 Table and creates all one to one corresponding rows on the Hierarchy Access Table needed by ARSM to determine departmental hierarchical access.

Program UCWEHAS will display the UCEHAS0 screen, collect entered data, process the addition or deletion of each table row in secondary unit sequence.

The user displays the screen by entering the function code EHAS on the Command Line of any ARSM System Administration screen to display the Hierarchy Table Maintenance screen or by selecting this function from the ARSM Main Menu.

**UCWEDST**

This program will become obsolete upon installation of this release.

**UCWEHME**

This program will become obsolete upon installation of this release.

**UCWERNG**

This program will become obsolete upon installation of this release.

**DB2 Programs**

**UCARSMRP**

*Error Report 745*

Modifications were made so that the following errors in program UCARSMRP are fixed:

- When more than one report is requested, only the first report starts with page one. All other reports start with a page number after the last page of the previous report.

- On all pages except the first page of all reports, the second line (all dashes) is repeated and a detail line is missing.

- When reporting on rules, the program uses SQL to JOIN the Access Table (UC0ACC) and the Association Table (UC0ASC). Not all Access rules need Association data (e.g., UNIVERSAL rules). The result is that no universal rules are reported.

**UCPFPEDDB**

This program was modified to process each new access rule. Modifications for each rule are as follows:

*Hierarchical Access Rule*

This rule obtains the Primary Unit and Secondary Unit for the Hierarchy Access Table and determines if the user is allowed access to requested information based on the user's Association Data.

*Home Department Range Rule*

This rule obtains the Home Department code from the Personnel Table and determines if the user is allowed access to requested information based on the user's Association Data.

*Personnel Program Rule*
This rule obtains the Personnel Program field from the Appointment Table and determines if the user is allowed access to requested information based on the user’s Association Data.

**Student Status Rule**

This rule obtains the Student Status field from the Personnel Table and determines if the user is allowed access to requested information based on the user’s Association Data.

**CICS Maps**

**UCARSM0**

This map was modified to add the EHAP and EHAS, Hierarchy Table Maintenance function codes.

**UCEASC0**

This map was converted from a Menu screen to an Entry/Update screen. The following rules may be established on this screen EDB Range (EDBRNG), Home Department Range (EDBHME), Hierarchy Access (EDBHAC), Home Department (HMEDPT), Distribution Department (DSTDPT), Personnel Program Code (PERPGM) and the Student Status Code (STUSTA).

The valid Range values are Employee Ids for the EDBRNG rule and Home Department Codes for the EDBHME and EDBHAC rules.

**UCEHAP0(new)**

This map was created to present the Hierarchy Table Maintenance screen in Primary Unit sequence.

**UCEHAS0(new)**

This map was created to present the Hierarchy Table Maintenance screen in Secondary Unit sequence.

**UCEDST0**

This map will become obsolete upon installation of this release.

**UCEHME0**

This map will become obsolete upon installation of this release.

**UCERNG0**

This map will become obsolete upon installation of this release.

**Copymembers**

**UCWSCOMA**

This copymember was modified to add the working storage variables needed to evaluate variable rule names and ranges of data.

**UCWSCOMN**

This copymember was modified to remove the EDB Range, Home Department and Distribution Department working storage variables. The Hierarchical working storage variables will also be added.
DDL Members

TBHAC00C(new)
This new DDL member contains the SQL statements necessary to create DB2 table UC0HAC.

IXHAC00C(new)
This new DDL member contains the SQL statements necessary to create the index for Hierarchy Access Table UC0HAC in primary unit sequence.

IXHA200C(new)
This new DDL member contains the SQL statements necessary to create the index for Hierarchy Access Table UC0HAC in secondary unit sequence.

TSHAC00C(new)
This new DDL member contains the SQL statements necessary to create the tablespace for Hierarchy Access Table UC0HAC.

UC0VHAC1(new)
This new DDL member contains the SQL statements necessary to create view UC0VHAC1_HAC of Hierarchy Access Table UC0HAC.

PPPZVHAC(new)
This new DDL member contains the SQL statements necessary to create view PPPZVHAC_HAC of Hierarchy Table UC0HAC.

Include Members

PPPZVHAC(new)
This new include member contains the DCLGEN statements necessary to create include PPPZVHAC_HAC of Hierarchy Table UC0HAC.

UC0VHAC1(new)
This new include member contains the DCLGEN statements necessary to create include UC0VHAC1_HAC of Hierarchy Table UC0HAC.

Bind Members

Bind members for UCWEHAP and UCWEHAS are included in this release.
Test Plan

A complete test plan is included with the release. Campuses are encouraged to use the base system test materials, as well as augmenting them with any desired local tests.

Installation

Installation instruction are addressed in a separate document included in this release.

Timing of Installation

As usual, campuses are encouraged to install this release in as timely a fashion as possible, and in the normal numeric sequence of releases.

If there are any questions, please send electronic mail to ISCLXB@UCCVMA, or call on (510)987-0466.

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