



Points to Note for Upgrading of WebSAMS 3.1

(Database Software and Reporting Tool)

Version 1.0

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Amendment History				
Change Number	Revision Description	Author	Revision Number	Date

1 Target Audience

This document is mainly for the attention of school users in particular to those who like to build and maintain:

- Queries in Data Management module of WebSAMS;
- Packages in Data Query Tool (DQT) module of WebSAMS;
- Report templates of Crystal Reports.

2 Upgrade of database software

2.1 Note for upgrade to SAP SQL Anywhere 17

Upgrading of WebSAMS will involve the replacement of database management system from SAP SQL Anywhere 16 to SAP SQL Anywhere 17. As there are no compatibility issues found in executing SQL statement between SAP SQL Anywhere 16 and SAP SQL Anywhere 17, users do not need to make any changes for the school-defined SQL statements.

3 Upgrade of reporting tool

3.1 Note for upgrade to SAP Crystal Reports 2020

Upgrading of WebSAMS will involve the upgrading of reporting tool from SAP Crystal Reports 2013 to SAP Crystal Reports 2020. To cater for the changes after upgrading WebSAMS version 3.0 to version 3.1, users are required to follow the steps in section 3.3 and 3.4 to configure workstations installed with Crystal Reports 2020 in order to let them run smoothly in the new environment. Basically, all existing report templates which are created with SAP Crystal Reports 2013 are compatible with SAP Crystal Reports 2020. However, discrepancies may be found in the report printouts. Users may follow the steps in section 3.3 and 3.4 to update corresponding report templates in order to rectify the discrepancies.

3.2 Configuration of workstation for Crystal Reports Designer 2020

Please make sure the workstation for editing report templates is resided in the WebSAMS network segment and has installed and configured Crystal Reports Designer 2020.

Detailed procedures are specified in *Crystal Reports Designer 2020 Installation Guide* and *SAP SQL Anywhere 17 Installation Guide*.

3.3 Update School-defined Crystal Reports Templates after migration to SAP Crystal Reports 2020

As SAP Crystal Reports 2020 handles fonts, lines, sorting and HTML codes differently, the report printouts might be displayed differently. The following update processes can help users to rectify the common errors or discrepancies found in the school-defined report templates.

The updated school-defined report template should be uploaded to the WebSAMS for report printing as usual.

3.3.1 Impact on font size

Missing label, misalignment, overlapping of words or words with missing underline could be found in the report templates. Manual adjustment is required in order to rectify the problem.

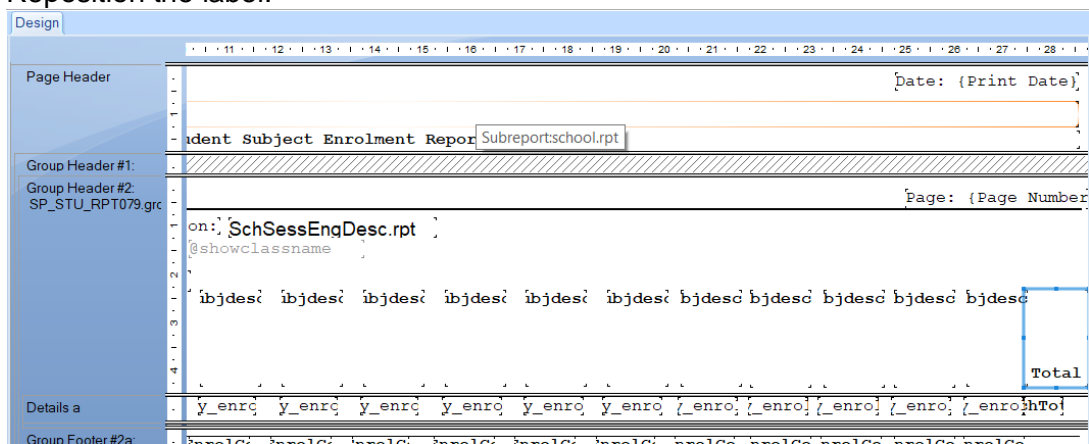
Example 1 (sample report: R-STU079-E_H)

In the column header, “Total” is missing.

Before					After				
PE-A	PHY	PTH	RSC		D&T	ECON	ELIT	EPA	
(C)	(C)	(C)	(C)	Total	(C)	(C)	(E)	(C)	
-----				4	-----				13
.....				4	.....				12
.....				4	.....				13
.....				4	.....				13
.....				4	.....				13
.....				4	.....				13
.....				4	.....				13

Suggested solution

- 1) Widen or lengthen the textbox; or
- 2) Reposition the label.



Example 2 (sample report: R-STU51-1)

The words are overlapping in the report.

Before	After
<p>ID Doc No:</p> <p>Religion: Catholicism</p> <p>Non-Chinese Speaking: N</p> <p>Date of Measurement: 01/10/2021</p>	<p>ID Doc No: 1234*****</p> <p>Religion: Not Applicable</p> <p>Non-Chinese Speaking: N</p> <p>Date of Measurement: 04/09/2021</p>

Suggested solution

- 1) Widen or lengthen the textbox; or
- 2) Reposition the label.

Example 3 (sample report: R-APL003-C)

The underline of the word "入讀摘要" is missing.

Before	After
<p>入讀摘要</p> <p>狀況</p> <p>入讀</p> <p>尚待入讀確定 (模式一)</p>	<p>入讀摘要</p> <p>狀況</p> <p>入讀</p> <p>尚待入讀確定 (模式一)</p>

Suggested solution

- 1) Move the label up a little to make the underline visible.

Affected reports

The following built-in reports are found with the issue of missing labels, alignment, overlapped words or words with missing underline:

R-APL003	Enrolment Status Report (by School Class)
R-APL004	Enrolment Status Report (by ApL Course)
R-APL036	Enrolment Status of ApL (Chinese) Report (by School Class)
R-FBG001	Budget Income By Ledger
R-FBG004A	Variance Report of Expenditure(Without Amendment History)
R-FBG004	Variance Report of Expenditure
R-FBG004S	Variance Report of Expenditure
R-FBK021	Consolidated Expenditure Report by Grant Type
R-FBK024	School Plan by School Year
R-FBK032	Salaries Grant Account (Boarding Section)
R-FBK033	Employers Contributions to Provident Fund Scheme / MPF Scheme for Non-Teaching Staff Account (Boarding Section)
R-FBK037	OEBG Statement of Actual Expenditure Special Domain
R-SEC003	User Group Access Rights
R-SEC007a	List of functions that can be accessed outside VPN Segment
R-STU203	Report on Student Handicap and Special Education Service
R-STU204	Report on Student Handicap and Special Education Service - Group by item
R-STU205	Report on Boarders - Own Sch and Other Sch
R-STU206	Report on Allowance / Assistance
R-STU208	Report on Mode of Transport to School
R-STD028	Leave Record of Teachers - Report
R-STU079-H	Statistics - Student Subject Enrolment Report (by Subject) (Horizontal)
R-STU16-2	Statistics - No. of Student by School House List for Class Level
R-STU44-1	Mailing Label (Student)
R-STU45-1	Mailing Label (Guardian)
R-STU47-1	Parent and Guardian List by Class
R-STU47-2	Parent and Guardian List by Student
R-STU48-1	Sibling Information List by Class Level
R-STU49-1	Sibling Information List by Class
R-STU49-2	Sibling Information List by Student
R-STU51-1	Student Profile List by Class
R-STU52-1	Student Special Health Condition by Class
R-STU69-1	Student Religion by Class
R-STU69-2	Student Religion by Religion
R-STU74-1	Statistics - Early Exit Students Report (Entire School Year)
R-TTL019-E	Summary for Collaborative Lesson Planning Period
FormCErr	Student Form C Error Report
FormE	Student Form E Report

3.3.2 Impact on output table

Extra empty rows would appear at the bottom of the table if the number of items is less than the number of rows. To fix this issue, users are advised to remove the additional lines of the table one by one.

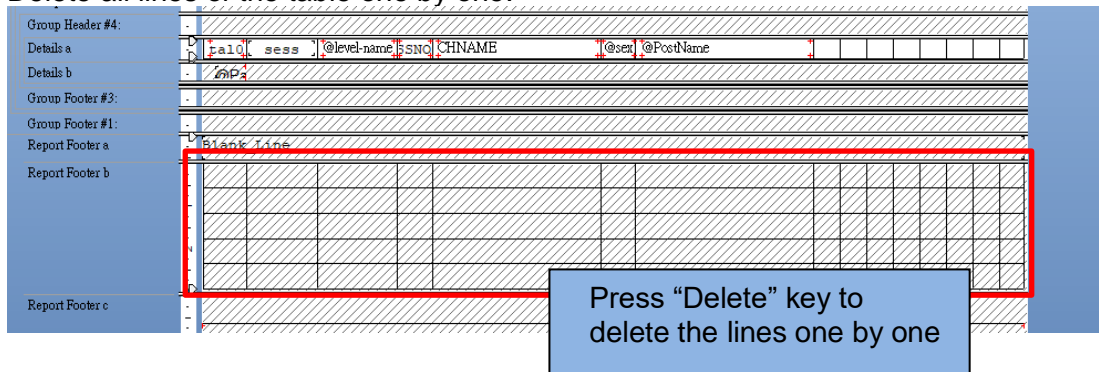
Example 1 (sample report: R-STA005-C)

Before						
編號	授課制	班別	班號	姓名	性別	職位
1	全日	S1--A	21	生一甲二一	男	組長

After						
編號	授課制	班別	班號	姓名	性別	職位
1	全日	S1--A	21	生一甲二一	男	組長

Suggested solution

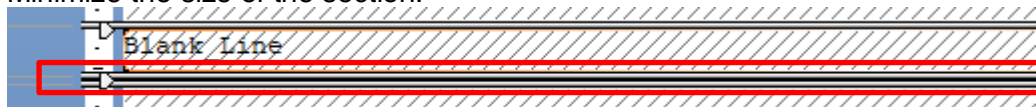
- 1) Delete all lines of the table one by one.



- 2) After all lines are deleted, move the arrow to the top of the section.



- 3) Minimize the size of the section.



Affected reports

The following built-in reports are found with the issue of extra empty rows:

R-STA005	Activity Roll-call Sheet
R-STA024	Event Roll-call Sheet
R-STU004	Class List (with English Name and Sex)
R-STU006	Class List (with English Name, Chinese Name, Sex, Nationality, Ethnicity and Spoken Language at Home)
R-STU007	Class List (with Age and Guardian English Name)
R-STU008	Class List (with STRN, DOB and Guardian English Name)
R-STU009	Class List (with STRN, DOB and Guardian Chinese Name)
R-STU010	Class List (with Father and Mother Contact)
R-STU076	Class List (with English Name, Chinese Name, Sex, Nationality, Ethnicity and Spoken Language at Home)

3.3.3 Impact on table sorting sequence

The sorting sequence is different when the display language is different. The correct sequence should follow the English description in alphabetical order for both English and Chinese reports. To fix this issue, users can add an additional sorting criteria for the report. There are two suggested ways to edit the report.

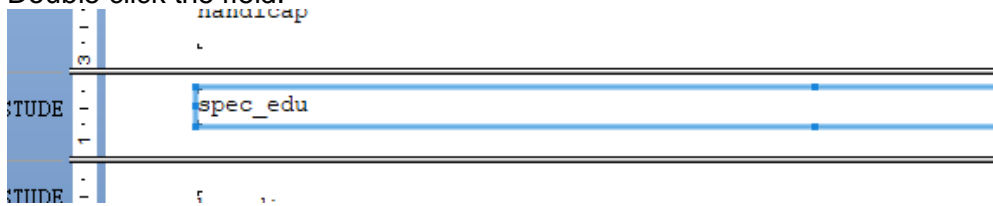
Example 1 (sample report: R-STU202-C)

The sorting sequence is different.

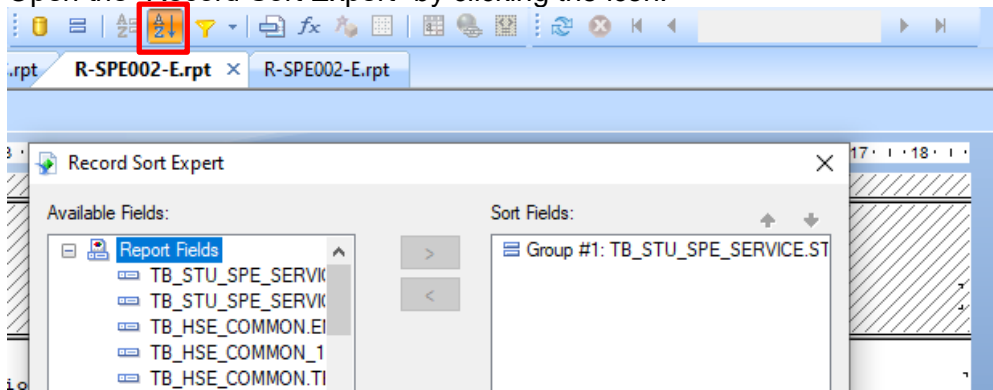
Before	After
<p>R-STU202-C</p> <p>模範測試二之一條龍學校 學生特殊教育詳情報告</p> <p>學年: 2002/2003 學校級別: 中學 學校授課制: 全日 級別: 中一 班別: S1A 班號: 8</p> <hr/> <p>學生註冊編號 : 1996057 學生姓名 : 陳囍 特殊教育檔案編號:456789 特殊教育類別:</p> <p>弱能</p> <p>主要: 身體弱能 程度: 中度至嚴重</p> <p>特殊教育服務</p> <p>類別: 巡迴輔導服務 機構: 服務機構甲 類別: 區導班 機構: 服務機構乙</p>	<p>R-STU202-C</p> <p>模範測試二之一條龍學校 學生特殊教育詳情報告</p> <p>學年: 2002/2003 學校級別: 中學 學校授課制: 全日 級別: 中一 班別: S1A 班號: 8</p> <hr/> <p>學生註冊編號 : 1996057 學生姓名 : 陳囍 特殊教育檔案編號:456789 特殊教育類別:</p> <p>弱能</p> <p>主要: 身體弱能 程度: 中度至嚴重</p> <p>特殊教育服務</p> <p>類別: 區導班 機構: 服務機構乙 類別: 巡迴輔導服務 機構: 服務機構甲</p>

Suggested solution (Fix by using “Record Sort Expert”)

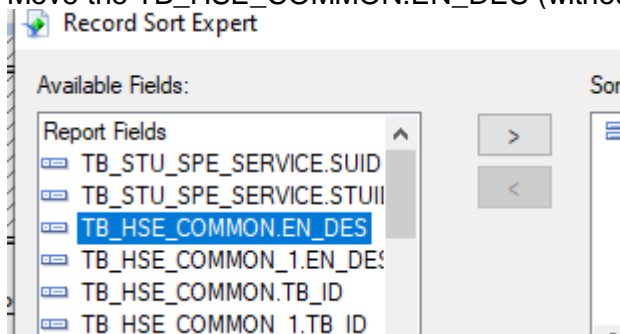
- 1) Double click the field.



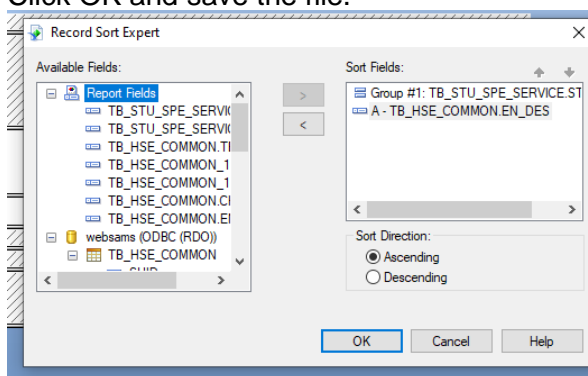
- 2) Open the “Record Sort Expert” by clicking the icon.



- 3) Move the TB_HSE_COMMON.EN_DES (without _1) to Sort Fields.



- 4) Click OK and save the file.



Example 2 (sample report: R-ASR003-C)

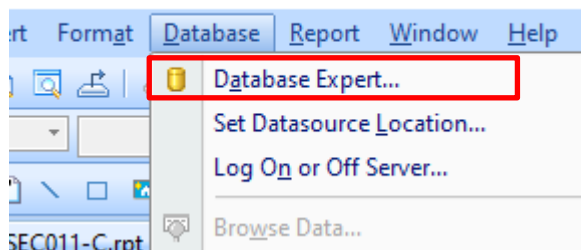
The sorting sequence is different.

Before	After
總平均分比重	總平均分比重
生物	一
- 卷二	分二
化學	生物
- 卷二	- 卷二
- 卷二	化學
公民教育	- 卷一
英國語文	公民教育
- 閱讀	化學
- 作文	- 卷一
- 默書	- 卷二
- 聆聽	中國語文
常識	公民教育
- 卷二	英國語文
- 卷二	- 閱讀
圖書館課	- 作文
生活教育	- 默書
一	- 聆聽

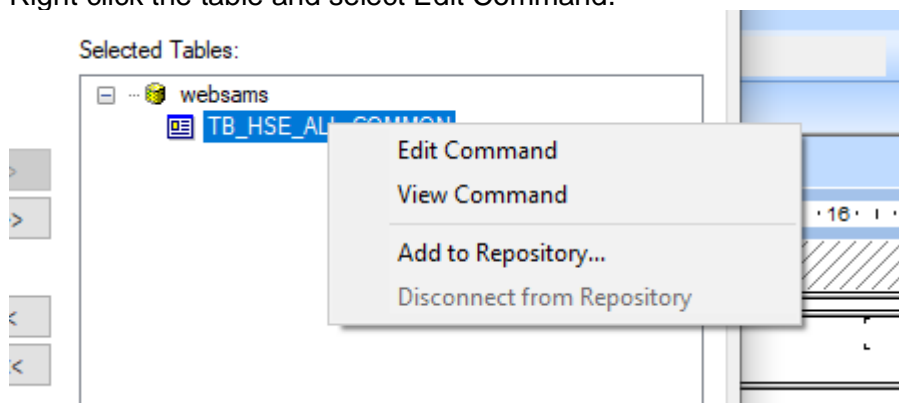
Suggested solution (Fix by editing command)

- 1) Click Database and choose Database Expert.

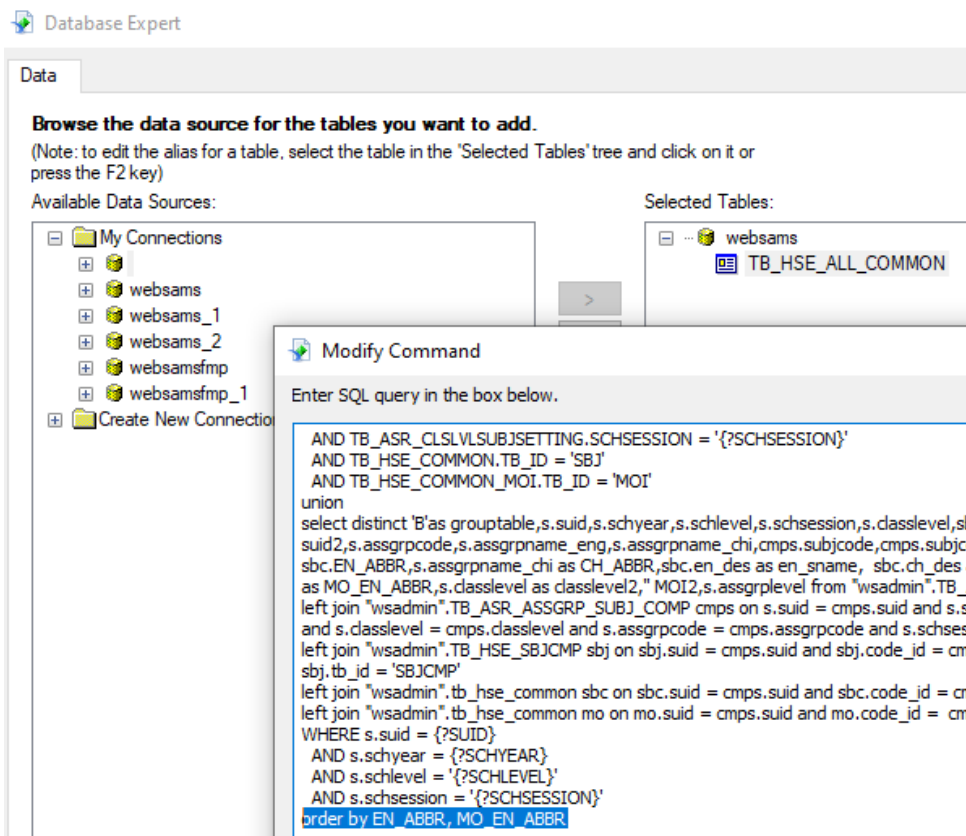
[R-ASR003-C.rpt]



- 2) Right click the table and select Edit Command.



- 3) Add “order by EN_ABBR, MO_EN_ABBR” at the end of the SQL query.



Affected Reports

The following built-in reports are found with the issue of sorting sequence:

R-ASR003	Term / Assessment Weighting Factor List
R-STU202	Student Special Education Details

3.3.4 Impact on Chinese font style

The Chinese characters cannot be shown due to a misinterpretation of font style. Users can change the font style of the targeted field in order to display Chinese characters correctly.

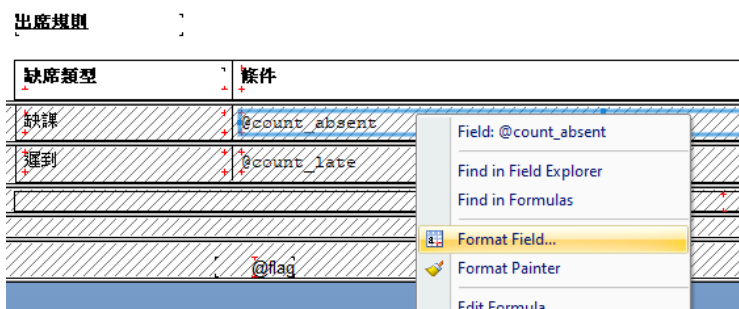
Example 1 (sample report: R-ANP027-C)

The Chinese characters are not shown correctly.

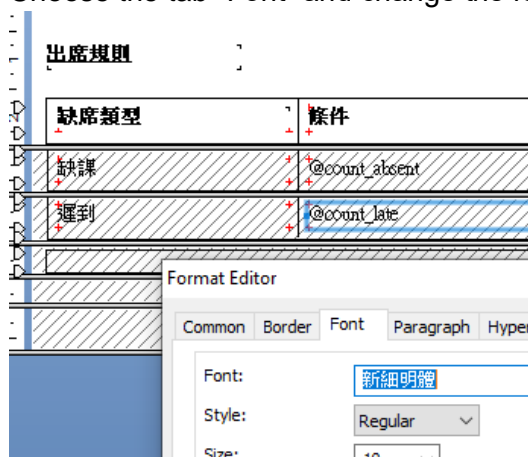
Before		After	
出席規則		出席規則	
缺席類型	條件	缺席類型	條件
遲到	至少3次	遲到	□□3□

Suggested solution

- 1) Right click on the field and select Format Field.



- 2) Choose the tab “Font” and change the font to “新細明體”, then click OK.



Affected Reports

The following built-in report is found with the issue of displaying Chinese characters incorrectly:

R-ANP027-C	零分獎懲規則報告
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3.3.5 Impact on HTML coding

As some reports are modified by users using HTML codes in the previous version, the content created by HTML codes cannot be displayed properly and may have shifted its position.

Example 1 (sample report: R-FBK020-E)

The position of the content is shifted and cannot match with the data in other columns.

Before				After			
R-FBK020-E ANNUAL ACCOUNTS STATEMENT NO. ____ LUI KEE GOVERNMENT SECONDARY SCHOOL NON-RECURRENT GRANTS FOR F&E ACCOUNT FOR THE ACCOUNTING YEAR ENDED 31 AUGUST 2003 School Level : ALL Print By : super1 Accounting Year : 2002/2003 Date : 15/12/2021 Time : 10:53 Page : 1 of 2				R-FBK020-E ANNUAL ACCOUNTS STATEMENT NO. ____ LUI KEE GOVERNMENT SECONDARY SCHOOL NON-RECURRENT GRANTS FOR F&E ACCOUNT FOR THE ACCOUNTING YEAR ENDED 31 AUGUST 2003 School Level : ALL Print By : super1 Accounting Year : 2002/2003 Date : 15/12/2021 Time : 10:50 Page : 1 of 2			
	G1017001 Salaries Grant - Teaching Staff	G1017002 Salaries Grant - Supply Staff	Notes		G1017001 Salaries Grant - Teaching Staff	G1017002 Salaries Grant - Supply Staff	Notes
Grant Received	36,200.00	0.00		Grant Received	36,200.00	0.00	
Expenditure	724,000.00	50,000.00		Expenditure	724,000.00	50,000.00	
Surplus/(Deficit) For The Year	(687,800.00)	(50,000.00)		Surplus/(Deficit) For The Year	(687,800.00)	(50,000.00)	
Deficit Transferred To * General Fund/ Subscriptions/ Tong Fai Account	0.00	0.00		Deficit Transferred To * General Fund/ Subscriptions/ Tong Fai Account	0.00	0.00	
Add: Approved Surplus Brought Forward From Previous Year	0.00	0.00		Add: Approved Surplus Brought Forward From Previous Year	0.00	0.00	
Total	(687,800.00)	(50,000.00)		Total	0.00	0.00	
Less: Approved Surplus Carried Forward To Next Year	(687,800.00)	(50,000.00)		Less: Approved Surplus Carried Forward To Next Year	(687,800.00)	(50,000.00)	
Amount Refunded/ Refundable To EDB	0.00	0.00		Amount Refunded/ Refundable To EDB	(687,800.00)	(50,000.00)	

Suggested solution

Re-creating the customized report based on the updated report template is recommended. User may download the latest report template from WebSAMS and customize the template in the designer interface.

Affected Reports

The following built-in reports are found with the issue of HTML coding:

R-SCH050	School Define Subject Mapping - Exception Report
R-SEC011	List of Access Time Profile and user account(s) assigned Report
R-STA012	Number of Student Participated in Uniform/Social/Voluntary Service Group Statistics
R-STD004	Internal Substitution Notice Report (By Absentee)
R-STD005	Internal Substitution Notice Report (By Substitute)
R-FBK017	Consolidated Summary of Budget Income and Expenditure
R-FBK018	Consolidated OEBG Expenditure Budget with Bi-sessional Breakdown
R-FBK019	Consolidated OEBG Expenditure Report
R-FBK020	Consolidated OEBG Expenditure Budget
R-FBK021	Consolidated Expenditure Report by Grant Type
R-FBK022	Consolidated Five Year Forecast for Income and Expenditure

R-FBK024	School Plan by School Year
R-FBK029	Gratuity Reserve Account
R-FBK030	Other Charges: Income and Expenditure Account Per Caput Grant Account
R-FBK032	Salaries Grant Account (Boarding Section)
R-FBK033	Employers Contributions to Provident Fund Scheme / MPF Scheme for Non-Teaching Staff Account (Boarding Section)
R-FBK037	OEBG Statement of Actual Expenditure Special Domain

3.4 Post-procedures

3.4.1 How to upload school-defined report to WebSAMS?

- 1) Save the report template(s) after updating.
- 2) Upload the report template(s) to WebSAMS Server.

Path:

[S-RPT02-02] Report Management > Template > Upload Template

[S-RPT02-02] Report Management > Template > Upload Template

Maintain Template Upload Template

Module Please select a Module

Category Please select a Category

Report Name (ID) Please select a Report

Template File (*.rpt) Choose File No file chosen

Sample Report Choose File No file chosen

Template Description

Reset Save

- 3) Print and check each updated report in WebSAMS.

-END-